

IVS

INDEX OF VETERINARY SPECIALITIES

Proud to have served the veterinary profession for over five decades.

Volume 61 Number 3



We are **committed** to **empowering the animal health industry** through **innovative scientific, development**, and manufacturing processes.




SPECIALITY INDEX

Volume 61 Number 3

Contents

How to use IVS.....	ii
Pharmacological classification.....	iv
Alphabetical index.....	ix
General index of products.....	1-149
Actives/trade-name index.....	150-163
Registration holders/distributors.....	164

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IVS

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DUAL PROTECTION
The ONLY vaccine in SA with both organisms in one dose

SAFE TO USE
During pregnancy

MORE FLEXIBILITY
For your vaccination program

REDUCES
Shedding from infected animals

REDUCES
C. pecorum related low-birth weights

REDUCES
Eye infections & arthritis

REDUCES
Enteritis & mastitis

CHLAMYVOX FOR CATTLE, SHEEP & GOATS

FOR ANIMAL USE ONLY
(Consult a veterinarian before use)

CHLAMYVOX is an inactivated broad-spectrum vaccine for the active immunisation of healthy cattle, sheep and goats against enzootic abortion (caused by *C. abortus*) as well as a range of associated disease manifestations caused by *C. pecorum*.

CHLAMYVOX is an inactivated broad-spectrum vaccine for the active immunisation of healthy cattle, sheep and goats against enzootic abortion (caused by *C. abortus*) as well as a range of associated disease manifestations caused by *C. pecorum*.

CAUTION
100 ml

Design Biologix

Chlamyvox (G4535/1947)

Guard against enzootic abortion, infertility & eye infections in cattle, sheep and goats.

REGISTRATION HOLDER: Vetvax (Pty) Ltd, Reg. No. 2004/035302/07 | MANUFACTURER: Design Biologix CC, Reg. No. 1992/028556/23

ANIMAL VACCINES MANUFACTURER

www.designbio.co.za



How to use IVS

Medicine information in IVS is updated quarterly and is compiled from package inserts supplied by veterinary companies. All IVS entries follow the same order. Featured new products are indicated in red. The example below, however is entirely fictitious.

★ In front of the trade name means that this product is for use by or under the control of a vet only.

Scheduling status in terms of the Medicines Control Act No 101 of 1965

Presentation

Pack sizes available. Unit price given for 500 ml only.

Dosage regimen. If the dosage appears after all the different presentations, it means the dosage applies to all presentations.

Different presentations of products with one umbrella name have been combined in one entry whenever possible, following the same format.

S/E, C/I, W/T, and P/I appear after all the different presentations, and are applicable to all presentations unless specified.

Trade name: All trade names appearing in IVS are subject to trade name registration by SAHPRA for that particular company.

Name of **registration holder**, with **distributor** shown in brackets.

Active ingredient(s) with strength(s) specified

Registration number

Approved main indication(s) and animal range* indicated for.

Suggested price (incl.VAT) to vet for 500 ml. This price excludes any professional costs that may be applicable.
POR = Price on request.

Side effects: the more common well-established reactions which may necessitate dosage reduction or withdrawal, and serious life-threatening reactions, even if rare.

Contraindications: Conditions where the medicine should not be prescribed.

Withdrawal times: Time from last dose given until animal may be slaughtered or milk/eggs used for human consumption.

Precautions and incompatibilities: Conditions where cautious administration, possibly a dose reduction and/or careful monitoring, is required.

★ **JEPHAMETHOXINE, Jensens (Spencer)**

Jephamectin 5 mg, prazixine 10 mg

(S4) INJECTION G7809

Indications: Heartwater, pneumonia, navel-ill, joint-ill. – B,Cap,O.

500 ml (1; 2)L, R74,09.

Dosage: B: 2 ml/10 kg bm daily. Cap,O: 1 ml/10 kg bm daily. Max. 3 days.

(S4) TABLETS 83/568

Indications: Strangles. – E.

50(100), R64,83.

Dosage: 1 tablet 2 x daily for 3 days.

S/E: Transient vomiting, anaphylaxis.

C/I: Injection: Not for animals producing milk for human consumption.

W/T: Meat 7 days, Milk 36 hours.

P/I: with overdose, toxic disturbances of the CNS may develop.

See also IDR page XXX.

Cross-reference to the corresponding product entry in the current IDR where such is fully detailed, according to package insert.

- * **Animal range abbreviations**
- | | |
|---------|-----------|
| B | Bovine |
| Can | Canine |
| Cap | Caprine |
| E | Equine |
| F | Feline |
| O | Ovine |
| P | Porcine |
| Poultry | Poultry |
| Other | Specified |

SCIENTIFICALLY PROVEN PROTECTION

Only the antigens you need

Nothing more, nothing less!



Why spend money on diseases that are rarely diagnosed?

Clostrivax contains a carefully hand-picked combination of antigens to protect only against the most relevant diseases in your herd.




REGISTRATION HOLDER: Vetvax (Pty) Ltd., Reg. No. 2004/035302/07 | MANUFACTURER: Design Biologix CC, Reg. No. 1992/028856/23

ANIMAL VACCINES MANUFACTURER

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BLU-VAX
Reg. No. G4534 (Act 36/1947)


BLU-VAX is a formalin-inactivated polyvalent bluetongue virus (BTV) vaccine for the active immunisation of healthy sheep against bluetongue disease (BTV serotypes 1, 2, 3, 4, 5, 7, 12, 13, 16, 17 and 24).



Pharmacological classification

1. CENTRAL NERVOUS SYSTEM	1
1.1. Anaesthetics.....	1
1.1.1. Parenteral anaesthetics	1
1.1.2. Local anaesthetics	1
1.2. Narcotic analgesics.....	1
1.2.1. Opioid agonists	1
1.2.2. Opioid antagonists	1
1.3. Sedatives.....	1
1.3.1. Sedative analgesics	1
1.3.2. Sedative antagonists	2
1.4. Anticonvulsants including anti-epileptics.....	2
1.5. Tranquillizers	2
1.5.1. Butyrophenone derivatives	2
1.5.2. Tricyclics	2
1.6. Drugs used for euthanasia	2
2. AUTONOMIC.....	3
2.1. Antimuscarinics.....	3
3. MUSCULO-SKELETAL AGENTS.....	3
3.1. Anti-inflammatory.....	3
3.1.1. Steroidal.....	3
3.1.2. NSAIDs.....	4
3.1.2.1. COX inhibitors	4
3.1.2.2. Selective COX2 inhibitors	5
3.1.3. Topical agents	8
3.1.4. Others.....	8
3.2. Analgesics	9
3.2.1. Centrally-acting muscle relaxants	9
4. CARDIOVASCULAR.....	9
4.1. Positive inotropic agents.....	9
4.1.1. Methylxanthines	9


4.1.2. ACE Inhibitors.....	9
4.1.3. PDE Inhibitors.....	9
4.1.4. Angiotensin Inhibitors.....	9
4.2. Vasodilators.....	9
5. BLOOD AND HAEMOPOEITIC.....	9
5.1. Coagulants, haemostatics.....	9
5.2. Haematinics.....	9
6. RESPIRATORY SYSTEM	10
6.1. Antitussives and expectorants.....	10
6.2. Bronchodilators	10
7. GASTRO-INTESTINAL TRACT.....	10
7.1. Oral hygiene.....	10
7.2. Anti-emetics.....	10
7.3. Motility enhancers	10
7.3.1. Lubricants and faecal softeners.....	10
7.3.2. Laxatives and purgatives	10
7.4. Antispasmodics	11
7.4.1. Proton pump inhibitors.....	11
7.5. Antidiarrhoeals.....	11
7.5.1. Plain.....	11
7.5.2. With antimicrobial agents	11
7.5.3. Antimicrobial agents.....	11
7.5.4. Biologicals.....	11
7.6. Analgesics.....	12
7.7. Ruminal agents.....	12
7.7.1. Ruminotorics	12
7.7.2. Anti-bloat remedies	12
8. HEPATICS	12
8.1. Cholagogues and cholorectics	12
8.2. Liver protectants and lipotropics.....	13



CHLAMYVAX
Reg. No. G4535 (Act 36/1947)

CHLAMYVAX guards against enzootic abortion, infertility & eye infections in cattle, sheep and goats.






Clostrivax B+
Reg. No. G4484 (Act 36/1947)

Clostrivax B+ is the only 10 antigen multi-clostridial formulation that protects against ANTHRAX & BOTULISM in cattle; and Mannheimia haemolytica leukotoxin that causes bovine respiratory disease.



9. URINARY TRACT	13
9.1. Diuretics	13
9.2. Urolitholytics and antispasmodics	13
9.3. Urinary acidifiers	13
10. REPRODUCTIVE SYSTEM.....	13
10.1. Vaginal and intra-uterine preparations.....	13
10.2. Sex hormones.....	13
10.2.1. Testosterone.....	13
10.2.2. Oestrogens	13
10.2.3. Progesterones and progestagens	13
10.2.4. Combinations	14
10.3. Prostaglandins	14
10.4. Trophic hormones	14
10.5. Myometrial stimulants	14
10.6. Myometrial relaxants	14
10.7. Ovulation-controlling agents.....	14
11. ENDOCRINE SYSTEM.....	16
11.1. Corticosteroids	16
11.2. Growth hormones.....	16
11.3. Anabolic steroids.....	16
11.4. Insulins	16
11.5. Thyroid preparations	16
12. DERMATOLOGICALS.....	16
12.1. Disinfectants and cleaning agents.....	16
12.2. Antiseptics and antimicrobials.....	17
12.3. Antipuritics.....	17
12.3.1. Topical corticosteroids	17
12.3.2. Others.....	17
12.4. Emollients and protectives.....	18
12.5. Rubefaciants and counter-irritants	18
12.6. Keratolytics.....	18
12.7. Antifungals.....	18
12.8. Antiparasitics	18


12.9. Wounds	19
12.9.1. Antiseptics	19
12.9.2. Dressings.....	19
12.9.3. Desloughing agents	19
12.9.4. Others.....	19
13. OPHTHALMIC AND AURAL AGENTS	19
13.1. Anti-infectives	19
13.2. Anti-infectives with corticosteroids.....	20
13.3. Others.....	20
14. MAMMARY GLAND.....	20
14.1. Intramammary preparations.....	20
14.2. Care of teats and udders.....	22
15. ANTIMICROBIALS	22
15.1. Antibacterials	22
15.1.1. Beta-lactams	22
15.1.1.1. Penicillins	22
15.1.1.2. Cephalosporins.....	23
15.1.2. Tetracyclines	24
15.1.3. Aminoglycosides	28
15.1.4. Macrolides, lincosamides, ketolides and pleuromutilins	28
15.1.5. Amphenicols.....	31
15.1.6. Quinolones	32
15.1.7. Sulphonamides and potentiators.....	34
15.1.8. Polipeptides.....	35
15.1.9. Others.....	35
15.1.10. Combinations	36
15.2. Antifungals.....	36
15.3. Antiprotozoals	36
15.3.1. Anticoccidials.....	36
15.3.1.1. Poultry	37
15.3.1.2. Others.....	39



Clostrivax O
Reg. No. G4487 (Act 36/1947)

Clostrivax O is a 9 antigen multi-clostridial formulation that protects against the most important veterinary clostridial diseases and pneumonia in sheep.






BLU-VAX
Reg. No. G4534 (Act 36/1947)

BLU-VAX is a formalin-inactivated polyvalent bluetongue virus (BTV) vaccine for the active immunisation of healthy sheep against bluetongue disease (BTV serotypes 1, 2, 3, 4, 5, 7, 12, 13, 16, 17 and 24).




15.3.2.	Antibabesials	41
15.3.3.	Spirochaetides.....	42
15.3.4.	Others.....	42
16.	ANTIPARASITICS.....	43
16.1.	Endoparasitides.....	43
16.1.1.	Horses	43
16.1.1.1.	Benzimidazoles and probenzimidazoles ..	43
16.1.1.2.	Macrocyclic lactones	43
16.1.1.3.	Tetrahydropyrimidines.....	43
16.1.1.4.	Piperazines	43
16.1.1.5.	Combinations	43
16.1.2.	Ruminants	44
16.1.2.1.	Benzimidazoles and probenzimidazoles ..	44
16.1.2.2.	Macrocyclic lactones	44
16.1.2.3.	Halogenated salicylanilides and nitrophenols	48
16.1.2.4.	Imidazoles	49
16.1.2.5.	Piperazines	50
16.1.2.6.	Others.....	50
16.1.2.7.	Combinations	50
16.1.3.	Pigs.....	54
16.1.3.1.	Benzimidazoles and probenzimidazoles ..	54
16.1.3.2.	Macrocyclic lactones	54
16.1.3.3.	Piperazines	54
16.1.3.4.	Others.....	54
16.1.4.	Cats and dogs.....	54
16.1.4.1.	Benzimidazoles and probenzimidazoles ..	54
16.1.4.2.	Halogenated salicylanilides and nitrophenols	54
16.1.4.3.	Tetrahydropyrimidines.....	54
16.1.4.4.	Piperazines	55
16.1.4.5.	Organophosphors	55
16.1.4.6.	Macrocyclic lactones	55
16.1.4.7.	Others.....	55
16.1.4.8.	Combinations	55

16.1.5.	Other species	58
16.1.5.1.	Benzimidazoles and probenzimidazoles ..	58
16.1.5.2.	Macrocyclic lactones	58
16.1.5.3.	Halogenated salicylanilides and nitrophenols	59
16.1.5.4.	Imidazoles	59
16.1.5.5.	Piperazines	59
16.1.5.6.	Others.....	59
16.1.5.7.	Combinations	60
16.2.	Endectocides	60
16.2.1.	Ruminants	60
16.2.2.	Pigs.....	64
16.2.3.	Cats and dogs.....	65
16.3.	Topical ectoparasitides.....	65
16.3.1.	Horses	65
16.3.1.1.	Organophosphors and carbamates	65
16.3.1.2.	Pyrethrins and pyrethroids	65
16.3.1.3.	Combinations	66
16.3.2.	Ruminants	66
16.3.2.1.	Organophosphors and carbamates	66
16.3.2.2.	Pyrethrins and pyrethroids	66
16.3.2.3.	Formamidines.....	68
16.3.2.4.	Chitin synthesis inhibitors.....	69
16.3.2.5.	Combinations	70
16.3.2.6.	Others.....	72
16.3.3.	Pigs.....	72
16.3.3.1.	Organophosphors and carbamates	73
16.3.3.2.	Formamidines.....	73
16.3.3.3.	Macrocyclic lactones	73
16.3.3.4.	Combinations	73
16.3.4.	Cats and dogs.....	73
16.3.4.1.	Organophosphors and carbamates	73
16.3.4.2.	Pyrethrins and pyrethroids	74
16.3.4.3.	Formamidines.....	74
16.3.4.4.	Phenylpyrazoles.....	75



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Clostrivax B+
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16.3.4.5.	Nitroguanadines.....	75
16.3.4.6.	Macrocyclic lactones	75
16.3.4.7.	Others.....	76
16.3.4.8.	Combinations	76
16.3.5.	Others.....	77
16.3.5.1.	Organophosphors and carbamates	77
16.3.5.2.	Pyrethrins and pyrethroids	77
16.4.	Systemic ecto-parasitides	78
16.4.1.	Ruminants	78
16.4.1.1.	Macrocyclic lactones	78
16.4.1.2.	Chitin synthesis inhibitors.....	80
16.4.2.	Pigs.....	80
16.4.2.1.	Macrocyclic lactones	80
16.4.3.	Cats and dogs.....	81
16.4.3.1.	Organophosphors and carbamates	81
16.4.3.2.	Chitin synthesis inhibitors.....	81
16.4.3.3.	Isoxazolines.....	81
16.4.3.4.	Others.....	82
16.4.4.	Poultry	82
17.	NUTRITIONAL SUPPLEMENTS	82
17.1.	Vitamins.....	82
17.2.	Vitamins with minerals and electrolytes	84
17.3.	Minerals and electrolytes	87
17.4.	Vitamins with electrolytes and amino acids.....	90
17.5.	Others	95
18.	CHELATING AGENTS AND ANTIDOTES	102
19.	BIOLOGICALS	102
19.1.	Horses.....	102
19.1.1.	Live vaccines	102
19.1.2.	Inactivated vaccines.....	103
19.2.	Ruminants.....	104
19.2.1.	Live vaccines	104
19.2.2.	Inactivated vaccines.....	109
19.3.	Pigs.....	117

19.3.1.	Live vaccines	117
19.3.2.	Inactivated vaccines.....	119
19.4.	Cats.....	120
19.4.1.	Live vaccines	120
19.4.2.	Inactivated vaccines.....	121
19.5.	Dogs.....	121
19.5.1.	Live vaccines	121
19.5.2.	Inactivated vaccines.....	123
19.6.	Poultry.....	124
19.6.1.	Live vaccines	124
19.6.2.	Inactivated vaccines.....	135
19.7.	Other species.....	140
19.7.1.	Live vaccines	140
19.7.2.	Inactivated vaccines.....	140
19.8.	Other biologicals	140
20.	PRODUCTION ENHANCERS	142
20.1.	Antimicrobials	142
20.2.	Hormones	145
20.2.1.	Sex hormones.....	145
20.2.2.	Growth hormones.....	145
20.3.	Beta-agonists	145
20.4.	Others	146
21.	TUBERCULOSIS.....	146
22.	DIAGNOSTICS	146
22.1.	Cattle	146
22.2.	Pigs	146
22.3.	Cats and Dogs	146
22.4.	Poultry.....	148
22.5.	Fish	148
22.6.	Multispecies.....	148
22.7.	Others	148
23.	REHYDRATION SOLUTIONS.....	148
24.	ASSOCIATED VETERINARY PRODUCT	148



Clostrivax O
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SCIENTIFICALLY PROVEN Protection against the most deadly diseases in cattle

Clostrivax B is the only
9 antigen multi-clostridial
formulation that protects
against **BOTULISM** in cattle
and *Mannheimia haemolytica*
leukotoxin that causes bovine
respiratory disease.



Clostrivax B

Reg. No. G4483 (Act 36/1947)

Clostrivax B is an adjuvanted multi-component vaccine for the active immunisation of cattle against diseases caused by *Clostridium perfringens* type A (enterotoxaemia), *C. botulinum* types C and D (botulism), *C. novyi* type A (swollen head), *C. novyi* type B (black disease), *C. chauvoei* (black quarter), *C. sordellii* (sudden death syndrome), *C. septicum* (malignant oedema) and *Mannheimia haemolytica* type A1 (bovine respiratory disease).

REGISTRATION HOLDER: Vetvac PTY (LTD), Reg. No. M2004/035302/07 | MANUFACTURER: Design Biologix CC, Reg. No. 1992/028856/23
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Clostrivax B+

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Alphabetical index

A	Aminovit-H..... 90	Anthraxax®..... 104	Avipro™ AE..... 124
Acatak Pour-On..... 69	Amipor®..... 70	Anthrax..... 104, 117	Avipro™ MG F..... 124
Acegon® 50ug/ml..... 14	Amphoprim..... 34	Anthrax Spore Vaccine... 102, 140	Avipro™ ND LaSota..... 124
Actinomyces (<i>Arcanobacterium</i>) Pyogenes..... 109	Amprol 20 % Soluble Powder.. 37	Antisedan..... 2	Avipro™ ND Visota..... 124
Activon..... 1	Amprol Plus..... 37	Antrovite B-Com..... 82	Avipro™ POX CEO..... 124
AD ₃ E..... 82	Anaket-V..... 1	Antrovite Metaphos..... 84	Avipro™ Precise..... 124
Advantage..... 75	Anaplasmosis..... 104	Apoquel..... 17	Avipro™ Salmonella DUO..... 125
Advantix..... 76	Aniban®..... 37, 39, 142	Apravet 552 iu/mg..... 28	Avipro™ Salmonella VAC E..... 125
Advent..... 124	Anigen Rapid Bovid-5 Ag Test Kit..... 146	Aquaflor® 50 % Premix..... 31	Avipro™ Thymovac..... 125
Advocate for Cats..... 55, 76	Anigen Rapid CDV Ab Test Kit 2.0..... 146	Arthrimed..... 95	Avisan Multi..... 136
Advocate for Dogs..... 55, 76	Anigen Rapid CDV Ag Test Kit..... 146	Arthritis Care..... 95	Avisan Multi/Co..... 136
Advocin..... 32	Anigen Rapid CPV Ab Test Kit 2.0..... 146	Asiatic Redwater..... 104	Avisan Secure..... 136
Advocin 180..... 32	Anigen Rapid CPV Ag Test Kit..... 146	Atropine 0,5 (10) Injection... 3, 11	Avisan TRT4..... 136
AE Vac..... 124	Anigen Rapid CPV/CCV/ <i>Giardia</i> Ag Test Kit..... 147	Attila..... 50, 61, 70	Avishield IBD INT..... 125
African Horsesickness Vaccine..... 102	Anigen Rapid <i>E. Canis</i> Ab Test Kit..... 147	Aureo® S 700G..... 36	Avishield ND..... 125
African Redwater for Cattle... 104	Anigen Rapid FCoV Ag/Ab Test Kit..... 147	Avatec 15 % CC..... 37	Avishield ND + IB H120..... 125
Afrivet Redline®..... 66, 77	Anigen Rapid Felicheck-3 Test Kit..... 147	Avensin 40..... 37, 39, 142	Avisol..... 34
Afrivet Redline Acaricidal Balls 5 %..... 77	Anigen Rapid FIV Ab/Felv Ag Test Kit..... 147	Avert NE®..... 124	Avivac® Al..... 136
Afrivet Redline Acaricidal Balls 10 %..... 77	Anigen Rapid <i>Giardia</i> Ag Test Kit..... 147	Avex..... 44	Avivac® Coryza..... 136
Afri-Vit P..... 95	Anigen Rapid <i>Toxoplasma</i> Ab Test Kit..... 147	Avian Insect Liquidator Spray.. 60	Avivac® Coryza/SE/ST..... 136
Afri-Vit Stress..... 84	Animectin..... 61	Avian Tuberculin PPD.. 140, 146, 147	Avivac® ND..... 136
Afroxin 5 % & 10 %..... 32	Animin®..... 87	Aviax..... 37	Avivac® ND-HS..... 125
Agita® 10 WG Fly Bait..... 148	Antezole® Dog Tablets..... 55	Aviax Plus..... 37	Avivac® PM/SE/ST..... 137
Agita® Granular Fly Bait..... 148	Antezole® Liquid..... 54	Aviboost Aqua-Blok..... 90	Avivet..... 22
Aivlosin FG 50..... 28	Antezole® Paste..... 55	Aviboost Poultry Tonic with Nucleotides..... 90	Avotam Pour-On..... 45, 61
Aivlosin Water Soluble Powder..... 28		Aviboost™ CI-X Blue..... 148	B
Albac® 150..... 142		Avical®..... 84	Babex..... 41
Allegro+Fluke™..... 50		Avinew Frozen..... 124	B-Act®..... 84
Allegro LA™ Injection.. 45, 58, 61, 64		Avinev® Neo..... 124	Bactefort®..... 24
Allegro™..... 44, 58, 60		Avipro™ 104 MG Bacterin..... 135	Bactofos®..... 87
Algel..... 19		Avipro™ 105 ND Chick..... 135	Bactofos Plus®..... 95
Almidip® Max..... 68		Avipro™ 106 Reo..... 135	B-Act® Wsp..... 95
Amino-B..... 90		Avipro™ 109 Se4 Conc..... 135	Bambergmycin 4 %..... 142
Aminostress..... 90		Avipro™ 201 ND-IB..... 135	Bantik Cattle Dip..... 70
		Avipro™ 226 BT02-REO..... 135	Barvac 10..... 109
		Avipro™ 304 ND-IB-MG..... 135	Baycox (Coccidiacide) 2,5 %.. 37, 40
		Avipro™ 441 ND-IB-BTO-REO.. 135	Baycox (Coccidiacide) 5 %..... 40
			Baymec™..... 45, 61




Clostrivax O

Reg. No. G4487 (Act 36/1947)

Clostrivax O is a 9 antigen multi-clostridial formulation that protects against the most important veterinary clostridial diseases and pneumonia in sheep.






BLU-VAX
Reg. No. G4534 (Act 36/1947)

BLU-VAX is a formalin-inactivated polyvalent bluetongue virus (BTV) vaccine for the active immunisation of healthy sheep against bluetongue disease (BTV serotypes 1, 2, 3, 4, 5, 7, 12, 13, 16, 17 and 24).




Bayopet® 3 In 1 Flavoured Dog De-Wormer 55	Botuvax® 103, 104, 110	Byboost Calf 91	Cevac® Chlamydia 106
Bayopet Bacdip Plus 74	Bovatec® 15 % 36	Byboost Cattle 91	Cevac® Corymune 4 K 137
Bayopet® Baccip® Plus 66, 73	Bovatec® 15 % 142	Byboost Kal-Ci-Phos with Extra Zinc 87	Cevac® Corymune 7 K 137
Bayopet Tick & Flea Collars 73	Bovatec® Liquid 20 36, 142	Byboost Kick Start 91	Cevac® IBD L 126
Bayopet Wormol 55	Bovela® 104	Byboost Lamb and Kid 91	Cevac® Ibird 126
Bayticol 65, 67, 74, 77	Bovikalc 87	Byboost Lamb and Kid + Copper (Cu) 91	Cevac® MD Rispens 126
Baytril 5 % 33	Bovikalc Dry 87	Byboost Lamb and Kid + Copper (Cu) 91	Cevac® Megamune ND-IB-EDS-SHS K 137
Baytril 100 33	Bovilis® C7 Somni 110	Byboost Liquigise Energy Booster 95	Cevac® Meta L 126
BB4L® 95	Bovilis® S 110	Byboost Rota-Paste 91	Cevac® ND-IB-EDS K 137
B-Co Bolic 84	Bovilis® Vista 5 L5 SQ 105	Byboost Scour-Ex 91	Cevac® Salmovac 126
B Co Phos Injection 84	Bovilis® Vista Once PMH SQ. 105	Byboost Sheep and Goats 92	Cevac® S. gallinarum 126
Bef-Tect 104	Bovilis® Vista Once SQ 105	Byboost Sheep and Goats + Copper 92	Cevac® Transmune 126
Berenil® RTU 41	Bovi-Min 90		Cevac® Vitabron L 126
Betakill Disinfectant Aerosol Fogger® 149	Bovi-Shield® Gold 5 105	C	Cevamec 1 % Injectable Solution 45
Biaprim Oral Solution 34	Bovi-Shield® Gold FP5 105	Ca-Dog 92	Cevamec 1 % Injectable Solution 61
Bi-Avirem 140	Bovi-Shield® Gold One Shot™ 105	Calbro Forte 87	Ceva Olaquinox 10 % Premix 142
Bi-Avisin 141	Bovi-Tect III 106	Calcibird 85	Ceva Salinomycin 12 % 38, 40, 143
Bimectin 1 % Injectable Solution 61, 72	Bovi-Tect P 110	Calfgrow 85	Ceva Super 50
Bio-D® 500 82	Bovi-Tect Pl 106	Calf Paratyphoid Inactivated. 110	Cevaxel Rtu® 23
Bio-Derm Forte 90	Bovi-Thrive Calf 90	Calf Paratyphoid Live 106	Ceva Zinc Bacitracin 15 % Feed Supplement 143
Biogloblin 11	Bovi-Thrive Cattle 90	Calgophos 87	Chevicol+ 42
Bioral H120 125	B-Phemeral 106	Calmequin 96	Chlamysure 110
Bioral H120 NEO 125	Bravecto 81	Campylobacter (Vibrio) Fetus. 110	Chlamyvax 110
Biorem 11, 141	Bravecto® Plus 55, 65	Caniflam 5	Chlortet 200 G, Eco 24
Biorem-Plus 141	Bravecto® Spot-On 81	Canigest 11	Chlortetracyclin+ 24
Biosin 11, 141	Broadline Top Spot for Cats 56, 76	Caninsulin® 16	Chorulon 1 500 iu 14
Bi-Ostrosin 141	Bronchicine 123	Canker Combo 42	Chorulon 1 500 iu 15
Bi-Tizer 141	Browse Plus® 95	Canker Plus 42	Chrono-Gest® PMSG 6 000 iu. 14
Bio-Vita 90	Brucella Rev 1 for Sheep and Goats 106	Canker Tonic 42	CIDR B 13, 15
Black Quarter 110	Brucella S19 for Cattle 106	Capstar 76	CIDR G 13, 15
Blanthrax® 104	Bru-Tect Rev 1 106	Captivon 1	Circumune® 126
Bloat Guard 12	Bru-Tect S19 106	Cardalis® 9	Circovac 119
Bloedstim 84	Brutel 50, 59	Carnitol-L 96	Clamoxyl RTU 23
Blue Tongue Vaccine 104	Bupocox-L® 95	Carprofen 20, 50, 100mg Afrivet 5	Cleanear 18
Blue Udder For Sheep 110	Bupomune® 95	Catosal 10 % 85	Clik® 69
Blu-Vax 110	Bupotox® 87	Cattlemaster 4 106	Clik® Extra 69
Boost 90	BUR 706 125	Cephudder 20	Clinacox 38
Boostin 116	Bursine 2 126	Cepravin Dry Cow 20	Clobek 38
Botulism 103	Buscopan Compositum 11, 13	Cerenia™ Injection 10	Closeco 7.5 % 48
Botu-Sure + Anthrax 104	Buzz Off Fly Repellent 18	Cerenia™ Tablets 10	
Botuthrax 104	Buzz Off Gel 65	Ceva Ancoban 200 37, 40	
	Buzz Off Spray 66	Cevac® Bron 120 L 126	



CHLAMYVAX
Reg. No. G4535 (Act 36/1947)

CHLAMYVAX guards against enzootic abortion, infertility & eye infections in cattle, sheep and goats.






Clostrivax B+
Reg. No. G4484 (Act 36/1947)

Clostrivax B+ is the only 10 antigen multi-clostridial formulation that protects against ANTHRAX & BOTULISM in cattle; and Mannheimia haemolytica leukotoxin that causes bovine respiratory disease.




Clostridium Septicum 112	Coryza 137	Delta Force 100 67	Drastic Deadline® Extreme 71
Clostrivax B 112	Coryza Plus 137	Deltapor 5 67	Draxxin 28
Clostrivax B+ 108	Cosumix® Plus 34	Deltapor 10 Plus 68	Draxxin Plus 3, 29
Clostrivax O 112	Covexin® 8 + Botulism 108	Denagard 10 % Feed Premix 28	Drontal 56
Clout® 67	Covexin™ 10 112	Denagard 45 % Granulate 28	Dry Veld Boost™ 97
Cobactan® 23	Coxiban 38, 143	Depocillin 23	Duovax 114
Cobactan® LA 7.5 % 23	Coxistac 0.5 % 38	Depo-Medrol 3, 16	Duplocillin® 23
Cobactan® LC 21	Coxistac G 12 % 38	Depomycin® 35	Duvaxyn Wnv 103
Cock Fertility Tablets 92	Coxistac G 12 % 143	Dexa 0.2 Phenix® 3	
Coglavax 112	Coxistac G 24 % 38, 143	Dexafort 3	E
Coli-Mix Plus 34	Coyden® 25 % 38	Dexafort Injectable Aqueous Suspension 16	Eco Afterbirth Pessaries 13
Coliprim 34	Cronyxin Injection 4	Dexdormitor 1	Ecobash 71
Combi Dose 3 Oral Drench 50	Curacef Duo Injectable Suspension 4, 24	Dexiron 200 9, 88	Ecofluke 44
Combi Dose 4 Oral Drench 51	Curaclox 21	Diakur Plus 96	Ecomectin 1 % Injection 64, 79, 80
Combi-Min Cattle 85	Cura-Spray 70	Dicestal 55	Ecomectin 1 % Injection 46, 62
Combi-Min Sheep and Goats ... 85	Cyclo Spray 17, 25	Dicestal For Pigeons 59	Ecomectin Pig Premix ... 54, 65, 73
Combined Botulism/ Blackquarter 112	Cydectin® 45, 58, 61, 78	Diftosec 127	Ecomectin Sheep Drench 46, 62, 79
Compass Green-Lipped Mussel Extract for Cats 85	Cydectin® Eweguard with Selenium and Vit B12 45, 61, 78, 112	Digestabile L® 96	Ecomintic 50 43, 44, 58
Compass Green-Lipped Mussel Extract for Dogs 85	Cydectin® LA Injectable for Sheep 45	Digestabile-LA® 96	Ecosulf LA 34
Complex AD ₃ E + Minerals 85	Cydectin® Plus Tape Oral Drench 51	Digestabile-L® 12	Ecotel 2.5 % 50, 59
Complex A&E for Cattle 85	Cymigard 70	Digestabile-P® 96	Ectodex 74
Complex A&E for Sheep and Goats 85	Cypertraz Pour-On 71	Digestabile-S® 96	Ectomin 100 EC 68, 77, 78
Complex Forte 92	Cystorelin® 15	Digestabile-S 12	Ectoshield 71
Component® TE 140/28 + Tylan® 145	Cytopoint 18, 141	Diomec 96	Ectozin 97
Compudose 145		Diomec Plus 108	Efazol 97
Convenia 23		Diomec Plus Powder 96	Eficel Plus 97
Coopers® Deca-Spot® 0.5 % Pour-On 67		Disulfox LA 34	Eimeriavax® 4M 127
Coopers® Supadip 65, 66, 73		Dizene® Cattle 41	Ektoban 71
Coopers® Triatix® 12.5 % ... 68, 73		Docusol 10, 12	Elancoban 200 38
Coopers® Triatix® Cattle Pour-On 69		Dolorex 1	Electroguard NF Gel 86
Coopers® Triatix® Plus Pour-On 70, 72		Domitor 1	Elevite Plus 92
Cooperzon® 30 66, 73		Domosedan 2	Eliminate 46, 62, 79
Copronat® 96		Doraject + AD ₃ E LA 45, 60, 79	Elite Equine Digestive Aid 92
Coripravac 137		Dora-Vit + AD ₃ E LA 46, 60, 78	Embamin T.E 88
Corn Oil Plus 96		Douvistome 49	Embavit 82
Corynebacterium Ovis 112		Dovertac® 79	Embazin 38
		Doxibiotic-Plus 25	Emintra™ 10 mg/ml Oral Solution 9
		Doxylbird 25	Emtryl Soluble 42
		Doxydog 25	Endex® Cattle, Sheep and Goat Drench 51
		Doxymycin 50 % 25	Endoject + Fluke 49
		Doxymycin Eye Powder 19	Endo + Lint 60
		Doxymycin QA 25	Endo+Lint 51
		Doxysyrup 25	Endotape 51, 60
		Deltadip Pour-On 67	
		Deltadip Tick Grease 67	



Clostrivax O
Reg. No. G4487 (Act 36/1947)

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BLU-VAX
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Energygn..... 82

Engemycin® 10%25

Engemycin® Spray..... 17, 25

Enrovet 10% Oral Solution..... 33

Entericolicx..... 119

Enterisol Ileitis 117

Entero-Plus..... 141

Enterotect P 114

Enterotoxaemia Alum

 Precipitated Vaccine..... 114

Enterovax..... 127

Enviracor J-5..... 114

Enzapros®..... 14

Eprecis® 2% 46, 62, 79

Equest Plus Tape 43

Equilis® Prequenza 102

Equilis® Prequenza TE..... 103

Equitop Myoplast 97

Equitop Pronutrin..... 97

Equivac® EHV-1/4..... 103

Equiwash..... 17, 18

Equiworld Fly Repellent for

 Horses and Dogs 66, 74

Eqvalan® Gold 43

Eraditick 125..... 69

Eraditick 250..... 69

Eraditick Cattle Pour On..... 69

Eraditick Grease..... 68

Eraditick Pig Pour On..... 73

Eraditick Plus Pour On..... 71

Eraditick Ultra..... 71

Eradiworm 25..... 49, 59

Eradiworm Concentrate 49, 59

Eradiworm Plus 51

Eradiworm Tape 51, 60

Eryseng® Parvo/Lepto 119

ESB3..... 38

ESbilac..... 92

Escherichia Oil Emulsion

 Vaccine 114

Estrumate 14, 15

Eutha-Naze..... 2

Evalon..... 127

Evanix..... 33

Evant..... 127

Excede..... 24

Excenel 24

Excenel Fluid..... 24

Exitel Cat 56, 76

Exitel Plus..... 56, 76

Exitel Plus XI..... 56, 76

Expel™ Plus Jetting Fluid..... 51

Expel™ Wound Aerosol..... 19

Exspot Spot-On For Dogs 74

Extinosad..... 72

Exzolt® 10mg/ml Oral

 Solution 82

Eze-Graze..... 97

F

F10™ Disinfectant Teat Spray

 with Glycerine 22

F10™ Disinfectant Teat Spray

 with Glycerine And Lanolin &

 Vitamin E 22

F10™ Disinfectant Teat Spray

 with Glycerine & Lanolin..... 22

F10™ Germicidal Barrier

 Ointment 18, 19

F10™ Germicidal Treatment

 Shampoo..... 17, 18

F10™ Germicidal Wound Spray

 with Insecticide 19

F10™ Udder Wash..... 22

Farrowsure Gold B..... 119

Fatroximim® DC..... 21

Feed Booster 97

Felocell 3..... 120

Felocell 4..... 121

Fentocin..... 14

Fertagyl Solution 15

Fibremax..... 97

Finadyne®..... 4, 12

Fiprotec..... 75

First Guard Crypto-Paste..... 97

Flavo-8..... 143

Flavo-80..... 143

Flavocombi..... 97

Flavomycin® 0,8%..... 143

Flavomycin® 8%..... 143

Flexi-Bites..... 97

Flokerem..... 32

Flubenol® 5% 54, 58

Flukazole C 51

Fluxacur® NF 51

Fly Repel for Dogs 74

Folligon..... 14, 15

Forceris..... 10, 40

Forcyl® 16% 33

Forray 65..... 41

Fortegra®..... 127

Fortekor 5 & 20..... 9

Fortitude® EDC..... 21

Fostera® PCV Metastim®..... 119

Fostera® PCV MH..... 120

Fowl Typhoid..... 127

Frontline Plus..... 75

Frontline Spray..... 75

Furinaid..... 97

Futaspray..... 19

Fvax-MG®..... 127

G

Gallifen 40 MG/G..... 58

Gallimune 203 ND + IB..... 137

Gallimune 302 ND + IB +

 EDS 137

Gallimune 407 ND + IB +

 EDS + ART 137

Gallimune 503 ND + IB +

 EDS +IC2 138

Gallimune ND Day Old..... 138

Gallimune SE + ST..... 138

Gallivac® AE..... 127

Gallivac® BDA..... 127

Gallivac® IB88 NEO..... 128

Gallivac® IBD S706 NEO..... 128

Game Browser Boost 98

Gardal 10% 44

Gas Gangrene Complex

 Vaccine 114

GCS Joint Care Advanced Gel

 for Cats 98

GCS Joint Care Advanced

 Liquid for Dogs 98

GCS Joint Care Advanced

 Powder..... 98

GCS Joint Care Advanced XI

 Powder..... 98

Glanvac 3..... 114

Gleptosil..... 10, 88

Glucalmag 88

Grofactor®..... 145

Gudair Vaccine 114

Gumbin VP2..... 138

Gumbohatch®..... 128

Gyrovac®..... 128

H

Hatchpak Avinew..... 128

Hatchpak IB H120..... 128

Heartgard Plus..... 56, 76

Heartwater Infective Blood..... 108

HematoVer® Plus..... 86, 92

Hernicell®-HT..... 98

Hen Fertility Tablets..... 86

Hepavet Tablets 83

Hiprabovis 4 114

Hiprabovis® Somni/LKT 114

Hipragumboro-CH/80..... 128

Hipragumboro-GM97..... 128

Hiprasuis Glässer..... 120

Hipraviar-Clon..... 128

Hipraviar-Clon/H120..... 128

Hipraviar-S..... 129

Hipraviar SHS..... 129

Hipraviar-TRT..... 138

Hi-Tet 120..... 25

Hi-Tet 200 LA Gold..... 25

Horse Power Vitamin Mineral

 Supplement 86

Hostazym® X 30 000 Micro

 Granulate..... 86

HT20..... 98

Hyogen 120

I

Ichthiovac Lg..... 140


Imidox Injection..... 41

Imizol..... 41

Immucox® 5..... 129

Immuno Boost + Liver..... 98

Improvac..... 120



Clostrivax B+
Reg. No. G4484 (Act 36/1947)

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Incurin® Tablets..... 13

Inflacam 20mg/ml Injectable

 For Cattle, Pigs and Horses 5

Inforce 3..... 108

Ingelvac Circoflex..... 120

Ingelvac Mycoflex 120

Inmeva..... 114

Innovax® ILT..... 129

Innovax®-ND..... 129

Innovax®-ND-IBD..... 129

Intertest® Bovine PPD

 Tuberculin 146

Intertocin-S..... 14

Intestipet..... 11

Intestum 11

Invigor-8..... 83

Iver-Ject+AD₂E..... 46, 62

Iver-Ject Metabolic..... 46, 62

Iver-Ject Premium..... 46, 62

Iver-Ject Super Fluke ... 46, 51, 62

Ivermax 1% Injectable

 Solution 46, 62, 65, 80

Ivermax + AD₂E..... 46, 62

Ivermax + Fluke..... 46, 62, 79

Ivermax Metabolic 47, 63, 79

Ivermax + Minerals 47, 63

Ivermax Platinum LA 47, 63

Ivermax Sheep Drench. 47, 63, 79

Ivermectina 1 % Oufrofino

 Injectable..... 47

Ivomec Eprinex..... 47, 63, 79

Ivomec Gold..... 47, 63, 79

Ivomec Injection..... 47, 63, 65, 79

Ivomec Super

 Injection..... 47, 52, 63, 71, 80

Ivotan..... 47, 63, 65, 80, 81

K

Karsivan..... 9

Ketink Injectable Solution..... 5

Ketofen 10% 5

Kitabac®..... 29

Kitasamycin 10% 29, 143

Kitasamycin WS..... 29

Kittymilk..... 98

Koffogran 25% 38

Kortico 3, 16

Kyroligo 92

Kyrophos Metabolic-V..... 86

Kyrotrim..... 35

Kyrovital-15..... 93

Kyrovite 83

L

Lamb Dysentery..... 114

Langa MEC..... 80, 81

Larvadex®..... 149

Laxapet..... 10

Lectade..... 88

Legend..... 8

Leukopast 3 Vaccine for

 Cattle 115

Leukopast Vaccine for

 Cattle..... 115

Levamicnt Concentrate 49, 59

Leventa® 1 mg/ml Oral

 Solution for Dogs..... 16

Levicon 49, 59

Levisan 52

Levoxy 5,9%..... 52

Lewerstim..... 98

Librela..... 141

Lignocaine 2%..... 1

Linco-Spectin® Premix 36

Lintex-L..... 49

Liquid E..... 83

Liquid Seevit E..... 86

Litterguard LT-C..... 120

Livacox® Q..... 121

Livacox® T 121

Longrange..... 52, 63, 70

Longstim..... 36

LT-Ivax..... 129

Lumpy Skin Disease..... 108

Lumpyvax..... 108

Lutalyse..... 14, 15

M

Macrosyn 100 mg/ml..... 29

Magistral PF®..... 149

Magni-PH®..... 98

Marbocyl® 10%..... 33

Marek's Disease Vaccine..... 129

Mastest..... 146

Mastijet Forte..... 21

Mastiplan LC..... 21

Maxiban 160..... 38

Maxi Bco Super..... 83

Maxicare..... 52

Maxicyp 20% 66, 68

Maxifluke..... 44

Maxi-Lint..... 50, 59

Maximus..... 52, 63, 71

Maxipour..... 68, 71

Maxisulf LA..... 35

Maxitet 10% 26

Maxitet 13,5% 26

Maxitet Ctc 20% 26

Maxitet LA..... 26

Maxi-Trim..... 35

MB-1..... 129

Medicote..... 98

Medicox..... 42

Medi-Gut..... 99

Mediylite..... 93

Medimune Powder..... 99

Medimune Tablets..... 99

Medipox..... 140

Medistatin..... 20

Meditrich..... 42

Medi-Vital Plus..... 99

Mediworm for Cats..... 56

Mediworm for Dogs..... 56

Mediworm for Large Dogs 56

Mediworm for Pigeons..... 60

Mediworm Plus for Dogs 56

Mediworm Powder..... 60

Medizole..... 42

Metacam® 0,5 mg/ml Oral

 Suspension for Cats 5

Metacam® 1,5 mg/ml Oral

 Suspension for Dogs 6

Metacam® 1mg; 2,5 mg

 Chewable Tablets for Dogs 6

Metacam® 5mg/ml Injection

 for Dogs and Cats..... 6

Metacam® 20 mg/ml Injection

for Cattle, Sheep, Pigs and

 Horses..... 6

Metacam® 40 mg/ml Injection

 for Cattle and Horses 6

Metastim..... 86

MG-BAC..... 138

Micotil 300..... 29

Microlife Prime™..... 99

Micromin B..... 88

Micromin O..... 88

Micromin O+..... 88

Milbemax® Chewable Tablets. 56

Milbemax® Dog/Puppy 57

Milbemax® Tasty..... 57

Milbitraz Spray Dip 69

Mildox Injection 26

Milko-Pup..... 93

Mino Max..... 93

Mirra-Cote®..... 99

Mirra-Cote® with Biozinc..... 99

Mobiflex®-C..... 99

Mobiflex®-H..... 99

Mobiflex®-Ld..... 99

Mobiflex® Powder..... 99

Mobiflex® Tablets..... 99

Moderator™..... 47, 64, 80

Mometamax®..... 35

Monimax®..... 39

Monotec® 200..... 39, 40, 143

Monteban 100..... 39

Moriana Ringers-Vet

 Solution 148

Moxidose 0,1 % Solution..... 48

Moxi-Ject 1 % Injectable

 Solution 48, 60, 78

Moxi-Pro 1 % 48, 60, 78

Moxi-Pro Oral 48

Moxi-Pro T Paste..... 43

Moxiziben Sheep Drench..... 52

M+PAC 117


MSM..... 88

Multiclos 115

Multidip..... 52

Multimin® + Se Cattle, Sheep


 and Angora Goats..... 88



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Design Biologix

Multimin® + Se + Cu + Cr
for Cattle.....89

Multimin® + Se + Cu for Cattle 88

Multimin® + Se + Cu for Sheep
and Angora Goats.....89

Multimin® + Se Sheep and
Angora Goats.....89

Multisomni.....115

Multivax-P.....115

Multivax-P Plus.....115

Multivit.....83

Multivitamin+.....93

N

Nasalcur®.....49

Nasym®.....108

Nectiv Forte.....138

Nem-A-Fluke.....52

Nem-A-Rid® 3,75 %.....52

Nem-A-Rid® Orange.....52

Nemarox.....53

Nemovac.....129

Nepredisan™ 135-1®.....149

Neporex®.....149

Neptra™.....19, 20

Neutralyte Liquid.....89

Newxxitek HVT + ND.....129

Nexgard® Spectra Chewable
Tablets for Dogs.....57, 76

Nexgard™ Chewable Tablets
for Dogs.....82

Nextmune.....130

Nobilis® CAV P4.....130

Nobilis® Corvac-4.....138

Nobilis® Coryza.....138

Nobilis® EDS.....138

Nobilis® G + ND.....138

Nobilis® Gumboro 228E.....130

Nobilis® Gumboro D78.....130

Nobilis® Gumboro Inac.....139

Nobilis® IB 4-91.....130

Nobilis® IB + G + ND.....139

Nobilis® IB MA5.....130

Nobilis® IB Multi+ND+EDS....139

Nobilis® IB + ND.....139

Nobilis® IB + ND + EDs.....139

Nobilis® IB Primo QX.....130

Nobilis® ILT.....130

Nobilis® MA5 + Clone 30.....130

Nobilis® MG 6/85.....130

Nobilis® MG Inac.....139

Nobilis® ND Broiler.....139

Nobilis® ND C2.....131

Nobilis® ND Clone 30.....131

Nobilis® Reo 2177.....131

Nobilis® Reo + IB + G + ND....139

Nobilis® Reo Inac.....139

Nobilis® Rhino CV.....131

Nobilis® Rismavac.....131

Nobilis® RT+IB Multi+G+ND..139

Nobilis® RT Inac.....140

Nobilis® Salenvac T.....131

Nobivac® Canine 1-Dappv.....122

Nobivac® Canine 1-Dappv
+ CV.....122

Nobivac® Canine 1-Dappv L2..122

Nobivac® Canine 1-Dappv L2
+ CV.....122

Nobivac® Canine 1-PV.....122

Nobivac® Dhppi.....122

Nobivac® Feline 1-HCP.....121

Nobivac® Feline 1-HCPCH.....121

Nobivac® Feline 1-HCP + Felv 121

Nobivac® KC.....122

Nobivac® L6.....122

Nobivac® Lepto.....123

Nobivac® Puppy DP.....122

Nobivac® Rabies.....103, 115, 123

Nobivac® Respira BB.....122

Nobivac® RI.....123

Nobivac® Tricat Trio.....121

Novamune.....131

Nuflor.....32

Nuflor® Minidose.....32

Nutradyl®.....99

O

Oberdine Wound, Eye and
Footrot Spray.....17, 19, 20

Obermycin 125.....26

Obermycin Foaming Pessaries..13

Ocean Gold.....83

Omepracote.....11

Oncept™ Canine Melanoma
Vaccine.....141

One Shot Ultra™ 7.....115

Onsior 5 mg, 10 mg, 20 mg,
40 mg Tablets for Dogs.....7

Onsior 6 mg for Cats.....7

Onsior Injection.....7

Optiboost.....93

OptiLumen Dairy.....100

OptiLumen Neo.....100

OptiLumen Sheep and Goats..100

OptiLumen Sheep and Goats
+ Cu.....100

Optiphos® Plus 10 000 CT..86, 100

Optiphos® Plus 10 000 G.....100

Oral-Vit-A.....83

Orbenin Extra DC.....21

Orbeseal.....21

Oregro-HS®.....100

Oregro-L®.....100

Oregro-NGP®.....100

ORF Suspension.....109

Orovet Oral Gel.....10

Orthoplex® Plus.....100

Ostridose.....43, 58

Oticlear.....18

Otomax.....20

Ovakron.....13, 15

Ovassay® Plus/Ovatec®
Plus System.....147

Ovi Clos P.....109, 115

Ovi Dose 3.....53

Ovi Dose 4.....53

Oviguard.....115

Ovi-Min.....93

Ovi-Min + Cu.....93

Ovipast.....115

Ovi-Thrive Lamb and Kid.....93

Ovi-Thrive Lamb and Kid +
Copper.....94

Ovi-Thrive Sheep and Goats...94

Ovi-Thrive Sheep and Goats
+ Copper.....94

Ovivax.....116

Oxitril.....39

Oxytetracycline 5,5%.....26

Oxytetracycline 20%.....26

P

Pab-NF.....66

Pal's Parrot Tonic.....83

Panacur® 4%.....44, 54

Panacur® Aquasol.....54

Panacur® Aquasol.....58

Panacur® Bs.....43, 44, 58

Panacur® Paste.....43, 54

Panthox.....17, 19

Paracide.....68

Paracox®.....131

Paracox®-5.....131

Paracox®-8.....131

Paranthic 10%.....54

Parofo Crypto 140 mg/ml..28, 40

Pasteurella Vaccine for Cattle 116

Pasteurella Vaccine for Sheep
and Goats.....116

Paylean 20.....145

Pegaforte.....43

Pegamax.....43

Pegaquest®.....43

Pegasol.....43

Petcam.....7

Petcam Injection 0,5%.....7

Petflex.....101

Pexion.....2

Pharlap Powder.....86

Pharmasin 100%.....29

Phenamidine.....42

Phenix® CTC 20%.....26

Phenix® Oxytetracycline 20%
F.G. PMX.....26


Phenix® Stresspac for Poultry
and Ostriches.....86

Phivax SLE.....132

Phosamine Stimulans.....86

Piet Schoeman's B12 Elixir.....83

Piet Schoeman's Boost
Powder.....83



Clostrivax B+
Reg. No. G4484 (Act 36/1947)

Clostrivax B+ is the only 10 antigen multi-clostridial formulation that protects against ANTHRAX & BOTULISM in cattle; and Mannheimia haemolytica leukotoxin that causes bovine respiratory disease.



Design Biologix

Piet Schoeman's Boost
Tablets.....94

Piet Schoeman's Winning
Tonic.....83

Pigfen 40 Premix.....54

Piliguard Pinkeye-1 Trivalent..116

Plume-Plus.....101

Pneumabort K+1B.....103

Porcilis® APP.....117

Porcilis® AR-T DF.....117

Porcilis® Coli.....118

Porcilis® Coliclos.....118

Porcilis® Glässer.....118

Porcilis® Lawsonia.....118

Porcilis® M HYO ID Once.....118

Porcilis® PCV.....118

Porcilis® PCV ID.....118

Porcilis® PCV M HYO.....118

Porcilis® Porcoli DF.....118

Porcistart™.....101

Posatex®.....20

Posatex®.....33

Poulcox® 20%.....39, 40, 143

Poulvac® AE + POX.....132

Poulvac® E. coli.....132

Poulvac® IB Primer.....132

Poulvac® IB QX.....132

Poulvac® Magniplex.....132

Predator.....86

Predazine.....59

Premolt 5.....94

Premolt 100.....94

Prestin.....50, 60

Prevexxion RN.....132

Previcox 57 mg/227 mg
Chewable Tablets.....7

Prid Delta.....13, 15

Primodog.....122

Privexia.....48, 64, 80

Probiwet.....101

Procox.....57

Procoxacin.....39

Prodose® Blue.....44

Prodose® Green.....44

Prodose® Orange.....53

Prodose® Red.....50, 59

Prodose® Red Soluble
Powder.....50, 59

Prodose® Yellow LA.....49

Profender Spot-On.....55

Pro-Lyte with
Glutamine.....11, 101, 141

Promote®.....144

Proteqflu.....103

Proteqflu-TE.....103

Proteq West Nile™.....103

Protet 10 (20)%.....26

Protexin® Concentrate.....11, 141

Protexin® Premium.....12, 142

Protexin® Pro-Kolin.....12

Protexin® Soluble.....12, 142

Pro-Vit A.....83

Pulmodox® 50 OSP.....26

Pulpyvax®.....116

Pulpyvax® 1-Shot.....116

Pulvex Bird + Cat Powder.....74

Pulvex Cat Dewormer Tablets..57

Pulvex Dog Collar.....73

Pulvex Dog Dewormer Tablets.57

Pulvex Dog Dip.....81

Pulvex Dog Powder.....81

Pulvex Dog Shampoo for Ticks
and Fleas.....74

Pulvex Puppy Powder.....74

Pulvex Tick and Flea Collar
for Cats.....73

Pulvex Tick & Flea Spot.....81

Purevax.....121

Pyostat NF.....16

Q

Quadrepel.....66, 74

Quantel.....57

Quinox 10.....34

R

Rabisin.....103, 116, 121, 123

Ralgro.....146

Ranox.....48

RB 51.....109

Receptal® Injection.....15

Recharge.....89

Reccocam 20 mg/ml.....7

Rednil.....42

Reducine Absorbent.....18

Regumate® Porcine.....13, 15

Rehydion Gel.....89

Repensol.....86

Resflor.....5, 32

Respiravax.....116

Respireure.....120

Revalor®.....145

Revalor® XR.....145

Revalor®-XS.....145

Reverin 135.....27

Reverin LA 230.....27

Revolution.....55, 75

Revolution Plus.....57

Rift Valley Fever Inactivated..116

Rift Valley Fever Live.....109

Rigly Bio-Protek.....101

Rigly Endurance Paste.....89

Rigly Ener-Gee.....101

Rigly Equicalm.....94

Rigly Glucosamine.....101

Rigly Horse Liniment.....18

Rigly Liver Tonic.....94

Rigly MSM Plus.....101

Rigly Probio-Booster.....101

Rilexine® 200 L.C.....21

Rilexine® 500 D.C.....21

Rimadyl Aqueous Injection.....3

Rimadyl Chewable Tablets...3

Rimadyl Injectable.....3

Rimifen 20; Rimifen 100.....8

Rompun 2%.....2, 9

Ronamp.....42

Ronsec.....42

Rotavec Corona.....116

Rucenta Phos-Plus.....87

Rucenta Vitamin B1.....83

Rucenta Vitamin B12.....83

Rucenta Vitamin B Complex..84

Rumecox.....41, 144

Rumensin 200.....41, 144

Rumix.....12

RVF Clone 13.....109

S

Sabaraud AGAR.....148

Sabax Plasma Vet.....148

Sacox® 120.....39, 42, 144

Salbutamate® 10%.....145

Salinopharm® 12%.....39, 41

Salix®.....13

Salmin Plus.....140

Salmonella PVI.....140

Salmon Oil.....101

Sanibacter®.....89

Scourguard® 4KC.....116

Scrumpets.....101

Sebbaderm Shampoo.....17, 18

Sebbarox.....17

Sedoline.....87

Selovin® LA.....89

Semintra™ 4 mg/ml Oral
Solution.....9

Seresto Collar for Cats.....77

Seresto Collar for Dogs >8kg..77

Seresto Collar for Dogs ≤8kg..77

Shoo-Fly® Ointment.....74

Shoo-Fly® Spray.....66, 74

Shotapen LA.....36

Simparica.....82

Solution 3,5% LA.....48, 64

Sovereign®.....53

Spectramast® DC.....21

Spectramast® LC.....22

Spectrazol Milking Cow.....22

Speed-Plus.....84

Sponsvax®.....117

Stafac 500.....35

Startect.....53, 64

Startvac.....117

Stresnil.....2

Stress Care L®.....87

Stressmix.....89

Stride Psyllium Plus.....102


Struvac ND Plus.....140

Suiseng.....119, 120

Sulfatrim.....35

Sulfazine.....35, 39, 41

Sulmetrim Plus.....35




CHLAMYVAX
Reg. No. G4535 (Act 36/1947)

CHLAMYVAX guards against enzootic abortion, infertility & eye infections in cattle, sheep and goats.



Design Biologix




Clostrivax O
Reg. No. G4487 (Act 36/1947)

Clostrivax O is a 9 antigen multi-clostridial formulation that protects against against the most important veterinary clostridial diseases and pneumonia in sheep.



Design Biologix




BLU-VAX
Reg. No. G4534 (Act 36/1947)

BLU-VAX is a formalin-inactivated polyvalent bluetongue virus (BTV) vaccine for the active immunisation of healthy sheep against bluetongue disease (BTV serotypes 1, 2, 3, 4, 5, 7, 12, 13, 16, 17 and 24).



Design Biologix

Supadox 50.....	27	Tilmovet 200 g/kg Premix.....	30	Ucaphoscal HP	102	Vets Own Tick & Flea Shampoo.....	74
Supaspray Plus.....	17, 19, 72	Tilmovet 250 mg/ml Oral Solution	30	Ultrachoice 7	117	V.H. + H-120.....	134
Supatraz 25 %	69	Tilmovet 300 mg/ml	30	Ultratet	27	Vibrin	117
Supatraz 125	69	Tioctan Vet	13	Ultratet LA	27	Vidalta®	16
Supatraz Cattle Pour-On.....	69	Tixagon 2%.....	75	Ultratet LA 200	28	Vir 118	134
Supavax®	109	TM Q.....	27	Ultrum Duration.....	149	Virbamax First Drench™	53, 60
Super Boost	94	Tolfedine.....	8	Ultrum® Plus Shampoo	74	Virbamax LV®.....	48, 64, 80
Supona Tick and Maggot Surface Aerosol..	19, 65, 66, 74	Tolfedine Injectable.....	8	Uni-Dose.....	50	Virbamax Premix	65
Surmax 100	144	Top Gut®	87, 102	Uniferon® 20% Vet.....	10	Virbamec® L	54, 64, 80
Surolan™ Drops.....	20	Topline® Pour-On for Cattle.....	72	Univax–BD	133	Virbamec® LA	48, 54, 64, 65, 80, 81
Sweatmix	89	Toxindex	102	Up-Cal.....	89	Viroban	84
Swellled Head.....	117	Toxindex Primus	102	V		Virsal-E	135
Symphony™	49	Tramisol® Concentrate.....	50, 59	Valbantel	53	Virsal T	135
Synovex® Plus	145	Tramisol® Plus	53	Valbazen	44	Vita AD,E.....	84
Synulox 50(250).....	23	Tramizan®	53	Vanguard	123	Vit-A-Dex	84
Synulox Pred LC.....	22	Tranquil.....	87	Vanguard Plus 5/CV-L.....	123	Vit-Aid Vitamin A	84
Synulox RTU	23	Tremvac-FP	133	Vanguard Plus 5/L	123	Vita-Kelp.....	95
T		Trexonil	1	Vanguard Plus DHPPI/L4R	123	Vita-A-Plus	84
Tabic H-120	132	Trichguard.....	117	Vaxsafe MS	133	Vitaton 34	87
Tabic IB VAR	132	Trifender Pour-On	72	Vaxxitek HVT + IBD	133	Vit-B-Co	84
Tabic IB VAR206	133	Trigger Strike	70	Vaxxitek HVT + IBD + ILT	133	Volvac® AC Plus + ND + IB + EDS KV	140
Tabic M.B	133	Trimethoprim Sulpha Powder...	35	Vaxxitek HVT + IBD + ND	133	Volvac® AC Plus Vaccine.....	140
Tabic V.H.	133	Tri-Methosulf.....	35	V-Check 200 Analyzer	148	W	
Taktic® Cattle Spray	69	Trinex Plus 19.5%.....	53	Vectormune® FP-LT.....	133	Wipe-Out54.....	68
Taktic® Dip for Dogs.....	75	Trio-Sure	109	Vectormune® FP-LT + AE	133	Wirecide F	49
Taktic® TR.....	69	Triworm-C	57	Vectormune® FP-MG	134	Wirevax	104
Tannin Browse Dry	102	Triworm-D	58	Vectormune® FP-MG + AE.....	134	Witness® Felv-Fiv.....	147
Tea Tree Oil Shampoo	17	Triworm-D XI	58	Vectormune® HVT IBD	134	Witness® Lepto.....	147
Tenaline LA	27	Trococil	4	Vectormune® HVT LT	134	Witness® Parvo.....	148
Terra-Cortril Eye/Ear Suspension.....	20	TS-11	133	Vectormune® HVT NDV	134	Wonder Immune Potentiator..	102
Terralon® LA	27	Tulaven®	30	Vectormune® HVT NDV & Rispens	134	Wound-Sept Plus	19, 66, 72, 73, 77
Terramycin 100 Injectable Solution	27	Tulissin 100	30	Vectormune® ND	134	X	
Terramycin La Injectable Solution	27	Turbosole	43	Ventipulmin	10	Xylavet 2%	2
Terramycin Wound Spray.....	17	Tylan 100™	30, 144	Vepured	119	Z	
Tetanus	117, 120	Tylan Soluble.....	30	Veriben B12 HC	42	Zactran®	31
Tetanus Vaccine	104	Tyleco FG 100	144	Vermectin L.A. Premium®.....	48	Zeleris®	36
Thianil.....	1	Tylobiotic	31	Vermectin® L.A. Premium.....	64	Zeniquin	34
Thrive P.....	102	Tyloxid	27	Vetcam 2%	8	Zeropar® Aerosol	72
Tiamulin 45 % Granules Huve..	29	Tylosin 10%	144	Vetmedin™ 1,25 mg, 2,5 mg, 5 mg and 10 mg Chewable Tablets	9	Zerorab	117, 121, 123
Tickill Plus.....	72	Tylosin Tartrate Pure Phenix® ..	31	Vetrain®	70	Zilmax®	146
Tikgard	72	Tylo-Ten	31, 144	Vetrain® Pour-On.....	70	Zinc Bacitracin 15% Granular	145
Tildren.....	8	Tylovet® 10%	31, 144	Vets Own Tick & Flea Dip.....	74	Zolvix 25 mg/ml.....	50
		U		Vets Own Tick & Flea Powder ..	74	Zuprevo® 4%	31
		Ubac	109			Zuprevo® 18%	31
		Ubrolexin™	22				
		Ubrostar.....	22				



CHLAMYVAX
Reg. No. G4535 (Act 36/1947)

CHLAMYVAX guards against enzootic abortion, infertility & eye infections in cattle, sheep and goats.



Design Biologix

Index of Veterinary Specialities

Edited by Dr C Carrington, BVSc BComm MMed Vet

1. CENTRAL NERVOUS SYSTEM

1.1. Anaesthetics

1.1.1. Parenteral anaesthetics

ANAKET-V, Elanco AH

Ketamine hydrochloride 100mg/ml.

(S5) INJECTION C88/1.2.2/13

Indications: Immobilising agent. Induction of general anaesthesia. –Can, F. 10ml

Dosage: Can: 11-22mg/kg bm im.

F: 11-33mg/kg bm im.

S/E: Emesis, salivation, vocalisation, erratic and prolonged recovery, dyspnoea, spastic jerking movements, convulsions, muscular tremors, hypertonicity, opisthotonus.

C/I: Head injuries, epileptic seizures,

impaired hepatic or renal function, hypertension, cardiac failure, increased intra-ocular pressure, endoscopy or oropharyngeal surgery, eclampsia.

P/I: Atropine, moisturising agent for eye protection may be necessary.

See also IDR page 267

1.1.2. Local anaesthetics

LIGNOCAINE 2 %, Elanco AH

Lignocaine hydrochloride 0,02g/ml.

(S4) INJECTION 83/110.

Indications: Local, regional anaesthesia. –All animals.

50ml

Dosage: 2-12ml depending on indication.

C/I: Hypovolaemia, heart block or other cardiac disturbances, hepatic insufficiency.

W/T: Meat 24 hours.

See also IDR page 318

1.2. Narcotic analgesics

1.2.1. Opioid agonists

CAPTIVON, Wildlife Pharma

Captivon 49: Etorphine HCl 4,9mg/ml;

Captivon 98: Etorphine HCl 9,8mg/ml.

(S6) INJECTION C93/1.3.1/9; C93/1.3.1/10

Indications: Reversible narcosis with analgesia. –Game.

10ml

Dosage: Animal dependent. See literature.

C/I: Do not use in domestic animals.

W/T: Carcasses of animals treated with etorphine not for human consumption.

THIANIL, Wildlife Pharma

Thiafentanil oxalate 10mg/ml.

(S6) INJECTION C06/1.3.1/06

Indications: Reversible narcosis with analgesia. –Game.

10ml

Dosage: Animal dependent. See literature.

C/I: Do not use in domestic animals or felines.

W/T: Carcasses of animals treated with thiafentanil not for human consumption.

P/I: See literature.

1.2.2. Opioid antagonists

ACTIVON, Wildlife Pharma

Diprenorphine HCl 12mg/ml.

(S4) INJECTION C93/1.3.2/8

Indications: Use where reversal of the effects of etorphine is required. –Game.

10ml

Dosage: Admin. to desired effect, normally twice the dose of etorphine admin. or absorbed. Treatment with high doses of diprenorphine can cause narcotic effects. See literature.

C/I: Do not use in domestic animals.

W/T: Carcasses of animals treated with etorphine not for human consumption.

TREXONIL, Wildlife Pharma

Naltrexone HCl 50mg/ml.

(S4) INJECTION C06/1.3.2/5

Indications: For use as an antagonist to thiafentanil oxalate immobilisation in free-ranging wildlife. –Game.

20ml

Dosage: Admin. 10mg for each mg of thiafentanil oxalate previously admin. in African game. The full dose can be admin. iv. See literature.

C/I: Do not use in domestic food-producing animals.

P/I: Safety in pregnancy and lactation has not been established. See literature.

1.3. Sedatives

1.3.1. Sedative analgesics

★ DEXDOMITOR, Zoetis

Dexmedetomidine HCl 0,5mg/ml.

(S5) SOLUTION FOR INJECTION 08/1.4.2/17

Indications: Dogs and cats: Non-invasive, mildly to moderately painful procedures and examinations which require restraint, sedation and analgesia. Premedication in cats before induction and maintenance of general

anaesthesia with ketamine. Premedication in dogs before induction and maintenance of general anaesthesia. – Can, F. 10ml

Dosage: Dogs: iv or im use. Cats: im use. See approved label for full instructions for use. The effects of Dexdomitor can be rapidly reversed by the α2-antagonist Antisedan (atipamezole).

C/I: Do not use in puppies <16 weeks of age or in kittens <12 weeks of age. Do not use in animals with cardiovascular disorders, severe systemic disease or in animals that are moribund.

P/I: Safety during pregnancy and lactation has not been established.

See also IDR page 815

DOLOREX, Intervet SA (MSD Animal Health)

Butorphanol tartrate 10mg/ml.

(S6) SOLUTION FOR INJECTION 09/1.3/18

Indications: E, Can, F: For relief of moderate to severe pain. E, Can: For sedation in combination with certain α2-adrenoceptor agonists. –E, Can.

10ml, 50ml

Dosage: Analgesia: E: 2,5-5ml/500kg bm iv. Can: 0,1-0,2ml/10kg bm slow iv or im.

F: 0,05-0,1ml/5kg bm iv. Sedation: Can be used in combination with an α2-adrenoceptor agonist. See literature. Onset and duration of analgesia: Analgesia generally occurs within 15 min of admin. Duration: E: 15-60 min. Can: 15-30 min (after a single iv inj.) and 20-50 mins (after a single im injection) F: about 6 hours after a single iv inj., depending on the dose.

C/I: Do not use in animals with a history of liver and kidney disease. Do not use during pregnancy and lactation.

See also IDR page 511

★ DOMITOR, Zoetis

Medetomidine HCl 1mg/ml.

(S5) INJECTABLE SOLUTION 92/1.4.2/5

Indications: Dogs and cats: A sedative with analgesic properties, the strength and duration of its effect being dose-dependent. – Can, F. 10ml

Dosage: Can: Admin. iv, im, sc. Slight to moderate sedation: 0,01-0,03ml/kg. Moderate to deep sedation, analgesia: 0,03-0,08ml/kg. F: Admin. im, sc. Moderate sedation: 0,05-0,1ml/kg. Deep sedation, analgesia: 0,1-0,15ml/kg. Maximal effect is obtained within 10-20 minutes. Repeat dose if necessary. The effects can be rapidly reversed by Antisedan.

C/I: Do not use in conjunction with sympathomimetic agents. Do not use in animals with heart failure, respiratory disease or impaired liver or kidney function, animals in shock, seriously debilitated animals, or animals that are stressed due to extreme heat, cold or fatigue. Do not use in dogs <12 weeks of age.

P/I: Safety in pregnancy has not been established.

See also IDR page 820

★ **DOMOSEDAN, Zoetis**

Detomidine HCl 10mg/ml.

(S5) INJECTABLE SOLUTION 88/1.4.2/3

Indications: Sedative analgesic for use in horses. – E.

5ml vial

Dosage: Im/slow iv: Light sedation: 0.2-0.4ml/100kg bm. Moderate sedation: 0.4-0.8ml/100 kg bm. Deep sedation: 0.8-1.5ml/100kg bm.

S/E: May cause decreased heart rate, conduction blocks (SA- and AV-blocks), changes in the respiratory rate and sweating. Slight tremor of individual muscles or muscle groups.

C/I: Concurrent use with sympathomimetic amines. Iv potentiated sulphonamides. Not for use in food-producing animals. Do not use in seriously ill animals with heart failure or impaired liver or kidney function. Must not be admin. to dogs.

P/I: The safety has not been established during pregnancy and lactation. Do not use in mares in the last month of pregnancy.

See also IDR page 822

ROMPUN 2 %, Elanco AH

Xylazine HCl 20mg/ml.

(S5) INJECTION 83/419

Indications: Sedation, analgesia, muscle relaxation. –B, E, Can, F, Game. 25ml

Dosage: Dose according to species, effect required. See literature.

C/I: Last month of pregnancy. –B, E. Oesophageal obstructions, stomach torsions. –Can, F.

W/T: Meat 12 hours. Milk 12 hours. Not to be used in game intended for slaughter.

See also IDR page 337

XYLAVET 2 %, Intervet SA (MSD Animal Health)

Xylazine 20mg/ml.

(S5) INJECTION C00/1.4.1/8

Indications: A sedative with analgesic and muscle relaxant properties for use in cattle, horses, dogs and cats. Also used as a premedication to barbiturate anaesthesia, or in combination with regional or local anaesthesia for painful surgical procedures. In the dog and cat, analgesia may not be adequate for very painful procedures, particularly in the extremities. In the horse, analgesia is limited and individually variable. –B, E, Can, F. 25ml vials

Dosage: Animals should not be disturbed until the product has taken its full effect. B: Inject im or iv. 5-30mg/100kg bm according to the degree of sedation required. E: Admin. by slow iv injection. 0.6-1.0mg/50kg depending on the degree of sedation required and the response of the animal. The horse does not usually become recumbent and light to deep sedation with a variable degree of analgesia is obtained. Nervous or excitable horses may require higher doses. Can: 1-3mg/kg im. Large individual variations may exist between dogs. Lighter dogs may require a higher dosage. Premedication with atropine may occasionally be desirable (Can + F). F: 3mg/kg im.

S/E: Initial hypertension is followed by hypotension. Brady arrhythmia and decreased cardiac output may occur. Care should be taken with use in debilitated animals, in those with depressed respiration, cardiac disease, renal or hepatic impairment, shock, or any other stress condition, as well as with epilepsy. General anaesthesia must be cautiously admin. and continuously monitored following use. Glucosuria may occur for up to 6 hours after admin. Thermo-regulation is affected and may cause hyper- or hypothermia, which may last for up to 24 hours.

C/I: Do not admin. in last month of pregnancy. Admin. with adrenaline is contraindicated in dogs.

W/T: Meat 48 hours. Milk 24 hours.

S/P: Animals must be protected against chilling or exposure to high ambient temperature. Should not be admin. to dehydrated cattle or those with urinary obstruction. May enhance the shock-like effect of severe colic, caution must be exercised whenever it is used for this condition. Intra-arterial injection should be avoided.

See also IDR page 661

1.3.2. Sedative antagonists

★ **ANTISEDAN, Zoetis**

Atipamezole HCl 5mg/ml.

(S4) INJECTABLE SOLUTION 92/1.4.3/4

Indications: The reversal of medetomidine (Domitor) sedation/anaesthesia in dogs and cats. – Can, F. 10ml vial

Dosage: Antisedan is admin. by im injection only. Antisedan is admin. immediately after the procedure. The dose depends on the preceding dose of Domitor (medetomidine). In dogs it is usually 4-6 times and in cats 3-4 times the dose of Domitor (µg/kg). The effects of Domitor are reversed in 5-10 minutes.

P/I: Im injection only.

C/I: Do not use in pregnant or lactating animals.

See also IDR page 782

1.4. Anticonvulsants including anti-epileptics

PEXION, Boehringer

100mg micronized imepitoin/tablet; 400mg micronized imepitoin/tablet.

(S3) TABLETS C 12/1.5/09; C 12/1.5/10

Indications: Control of epilepsy in dogs. –Can.

100, 250 tablets

Dosage: Oral admin. of 10-30mg/kg bm 2 x daily, approximately 12 hours apart. Admin. with or without food. Keep the timing of tablet admin. in relation to feeding consistent. If necessary, halve tablet for appropriate dosing. See literature.

C/I: Do not use in dogs with severely impaired hepatic function, severe renal or severe cardiovascular disorders. Not recommended in male breeding dogs or in female dogs during pregnancy and lactation.

See also IDR page 147

1.5. Tranquillizers

1.5.1. Butyrophenone derivatives

STRESNIL, Elanco AH

Azaperone 40mg/ml.

(S5) INJECTION C83/1.6.2/319

Indications: Regrouping of weaners, porkers, baconers or adult pigs. Prevention and treatment of fighting. Periparturient stress. Stress-induced tachycardia. Excitement. Premedication for local or general anaesthesia. Aggressive sows. Transportation of boars. –P. 100ml

Dosage: Inject deep im only. Regrouping of weaners, porkers, baconers or adult pigs: 1ml/20kg. Periparturient stress: 1ml/20kg. Stress-induced tachycardia: 1-2ml/100kg. Excitement: 0.5-1ml/20kg. Premedication for local or general anaesthesia: 1-2ml/20kg. Aggressive sows: 1ml/20kg. Transportation of boars: 0.5ml/20kg. See literature.

C/I: Contraindicated for the transport or regrouping of pigs which will be slaughtered prior to the end of the 7-day withholding period.

See also IDR page 342

1.5.2. Tricyclics

1.6. Drugs used for euthanasia

EUTHA-NAZE, Elanco AH

Sodium pentobarbitone 200mg/ml.

(S6) INJECTION 83/91

Indications: Euthanasia of small animals.

–Can, F.

100ml

Dosage: 1-2ml/kg bm rapid iv.

C/I: Not for anaesthetic use.

See also IDR page 311

2. AUTONOMIC

2.1. Antimuscarinics

ATROPINE 0.5(10) INJECTION, Elanco AH

Atropine sulphate 0.5 (10)mg/ml.

(S2) INJECTION 83/60.61

Indications: Premed. to anaesthesia, antidote to organophosphorus poisoning, antispasmodic. –B, E, O, Can, F. 30 (30)ml

Dosage: Atropine 10: B, E: 2-4ml; O:0.5-1.0ml. Atropine 0.5: Can: 0.25-2ml. F: Up to 1ml.

C/I: Use with caution with tachycardia and cardiac surgery. Cases with glaucoma.

S/E: Pupil dilation, tachycardia, arrhythmias, occasional vomiting and staggering.

See also IDR page 269

3. MUSCULO-SKELETAL AGENTS

3.1. Anti-inflammatory

3.1.1. Steroidal

★ **DEPO-MEDROL, Zoetis**

Methylprednisolone acetate 40mg/ml.

(S4) STERILE AQUEOUS SOLUTION 83/755

Indications: Musculoskeletal and allergic conditions. Infections with severe endotoxemia. – E, Can, F. 5ml

Dosage: Im. Horses: The usual im dose for horses is 200mg, repeat as necessary. Dogs and cats: The average dose for dogs is 20mg. The average dose for cats is 10mg.

P/I: Store below 25°C.

See also IDR page 814

DEXA 0.2 PHENIX®, Virbac

Dexamethasone sodium phosphate 2.63mg/ml.

(S4) INJECTION 83/267

Indications: Bovine ketosis, induction of parturition, shock, anti-inflammatory, hypersensitivity, auto-immune diseases. –All animals. 50ml

Dosage: Animal, indication dependent.

See literature.

S/E: As for corticosteroids.

C/I: Diabetes, osteoporosis, cardiac/renal insufficiency, pregnancy, ulcers, glaucoma, laminitis in horses.

W/T: Meat 22 days. Milk 3 days.

See also IDR page 703

DEXAFORT, Intervet SA (MSD Animal Health)

Dexamethasone 3mg/ml.

(S4) INJECTABLE SUSPENSION 83/783

Indications: Anti-Inflammatory, anti-allergenic, gluconeogenic, induction of parturition. –B, E, Can, F. 50ml

Dosage: B, E: 0.06mg/kg (0.02ml/kg) im. Can, F: 0.15mg/kg (0.05ml/kg) im or sc. Dose may be repeated after 7 days.

C/I: As for corticosteroids. Last trimester of pregnancy.

W/T: B: Meat 48 days. Milk 6 days.

See also IDR page 510

DRAXXIN PLUS, Zoetis

Tulathromycin 100mg/ml. Ketoprofen 120mg/ml.

(S4) INJECTION C21/17.1.4/05

Indications: B: Treatment of bovine respiratory disease associated with pyrexia due to *Mannheimia haemolytica*, *Pasteurella multocida*, *Histophilus somni* and *Mycoplasma bovis* susceptible to tulathromycin. –B 50ml, 100ml, 250ml

Dosage: B: Sc use. A single sc injection of 2.5mg tulathromycin/kg bm and 3mg ketoprofen/kg bm (equivalent to 1ml/40kg bm). For treatment of cattle over 400kg bm, divide the dose so that no more than 10ml are injected at one site.

W/T: B: Meat and offal 50 days. Not authorised for use in cattle producing milk for human consumption. Do not use in pregnant animals, which are intended to produce milk for human consumption within 2 months of expected parturition.

C/I: Do not use in cases of hypersensitivity to the active substances or to any of the excipients. Do not use simultaneously with other macrolides or lincosamides. Do not admin. to animals suffering from gastrointestinal lesions, haemorrhagic diathesis, blood dyscrasia or hepatic, renal or cardiac conditions.

P/I: Avoid use in dehydrated, hypovolaemic or hypotensive animals which require parenteral rehydration, as there may be a potential risk of renal toxicity. Intra-arterial and intra-venous injection should be avoided. The safety during pregnancy and lactation has not been established. Avoid contact with skin/eyes. Wash thoroughly after handling.

See also IDR page 825

KORTICO, Elanco AH

Dexamethasone 2mg/ml.

(S4) INJECTION 83/107

Indications: Shock, inflammatory conditions, bovine ketosis, acute mastitis, metritis. –B, E, Can, F. 50ml

Dosage: Inject iv or im. B: 2.5-12.5ml.

E: 1.25-10ml. Can: 0.125-1ml. F: 0.125-0.5ml daily in divided doses.

W/T: Meat 7 days. Milk 2 days.

S/E: As for corticosteroids.

C/I: Gastric, duodenal, colonic ulcers. Late pregnancy, diabetes, renal insuff., heart failure, osteoporosis, chronic infection, laminitis in horses.

P/I: If bacterial infection present, antibiotic essential.

See also IDR page 315

★ **RIMADYL AQUEOUS INJECTION, Zoetis**

Carprofen 50mg/ml.

(S3) INJECTION A05/3.1.2.2/04

Indications: Calves <12 months of age: As adjunctive therapy for the control of acute inflammation associated with respiratory disease. Horses and ponies: For analgesia and anti-inflammatory effect in musculoskeletal disorders and analgesics after surgery. –B, E. 50ml, 100ml or 250ml vials

Dosage: Calves <12 months of age: 1ml/35kg bm sc or iv once. Horses and ponies: 1ml/70mg bm iv as a single dose. May be repeated after 24 hours. Treatment may be given for up to 5 days.

W/T: Calves: Meat 21 days.

C/I: Do not admin. in animals suffering from cardiac, hepatic and/or renal disease, where there is a possibility of GI bleeding, evidence of a blood dyscrasias, or hypersensitivity to the product.

P/I: Avoid concomitant use with other corticosteroids and NSAIDs or monitor very closely.

See also IDR page 865

★ **RIMADYL CHEWABLE TABLETS, Zoetis**

Carprofen 25mg; Carprofen 75mg; Carprofen 100mg.

(S3) CHEWABLE TABLETS 01/3.1.2.2/1/2/3

Indications: The relief of pain and inflammation associated with musculoskeletal disorders in dogs. Shown to be clinically effective for the relief of signs associated with osteoarthritis in dogs. – Can. 60, 180 tablets

Dosage: 4.4mg/kg bm. Admin. 1 x daily or as divided 2.2mg/kg dose 2 x daily.

C/I: Safety in pregnant bitches, dogs used for breeding purposes or in lactating bitches has not been established. Do not use in cats. Do not use in animals suffering from cardiac, hepatic or renal disease, where there is a possibility of gastrointestinal ulceration or bleeding. Rimadyl is not recommended for use in dogs with bleeding disorders. Concomitant use of Rimadyl with other anti-inflammatory drugs, such as corticosteroids and other NSAIDs, should be avoided or very closely monitored.

See also IDR page 866

★ **RIMADYL INJECTABLE, Zoetis**

Carprofen 50mg/ml.

(S3) INJECTABLE SOLUTION 02/3.1.2.2/5

Indications: Dogs: Relief of post-operative pain and inflammation associated with orthopaedic and soft tissue surgery. Cats: Control of post operative pain following soft tissue surgery. – Can, F, 20ml

Dosage: Dogs: Admin. sc at a dose of 4,4mg/kg (1ml/11,4kg) approx. 2 hours prior to surgery and once daily thereafter, as needed. Treatment may be continued with oral Rimadyl at a dose of 4,4mg/kg once daily or 2,2mg/kg twice daily. Cats: The recommended dosage is 4mg/kg (0,24ml/3kg) bm by sc injection, best given pre-operatively at the time of induction of anaesthesia. Due to the longer half-life in cats and narrow therapeutic index, particular care should be taken not to exceed or repeat the recommended dose. **C/I:** Do not admin. im. Do not exceed the stated dose or the duration of treatment. Safety in pregnant bitches, dogs used for breeding purposes or in lactating bitches has not been established. Do not use in animals suffering from cardiac, hepatic or renal disease, where there is a possibility of gastrointestinal ulceration or bleeding or in dogs with bleeding disorders. Do not administer other NSAIDs concurrently or within 24 hours of each other.

See also IDR page 867

★ **TROCOXIL, Zoetis**
Mavacoxib 20mg, 30mg, 75mg, 95mg.

(S4) CHEWABLE TABLETS
11/3.1.2.2/02/03/04/05

Indications: For the treatment of pain and inflammation associated with degenerative joint disease in dogs in cases where continuous treatment exceeding 1 month is indicated. –Can.

Dosage: This is not a daily NSAID. Dose is 2mg/kg bm orally immediately before or during the dog's main meal. Care should be taken to ensure ingestion. Repeat 14 days later and thereafter at monthly intervals. A treatment cycle should not exceed 7 consecutive doses (6,5 months). See package insert for full instructions for use.

C/I: Do not use in dogs <12 months of age and/or <5kg bm. Not for use in dogs suffering from GI disorders, including ulceration and bleeding, evidence of a haemorrhagic disorder, impaired renal or hepatic function or cardiac insufficiency, do not use concomitantly with glucocorticoids or other NSAIDs. Not for use if hypersensitive to mavacoxib and known cases of sulphonamide hypersensitivity.

Warnings: Do not admin. other NSAID's within 1 month of the last Trocoxil admin. Not for use in pregnant, breeding or lactating animals.

See also IDR page 884

3.1.2. NSAIDs

3.1.2.1. COX inhibitors

CRONYXIN INJECTION, Afrivet
Flunixin 50mg/ml. Preservative: phenol 0,5% m/v. Antioxidant: sodium formaldehyde sulfoxylate 0,22% m/v.

INJECTION C99/2.6/15

Indications: B: The control of acute inflammation associated with respiratory disease. Prophylaxis in acute bovine pulmonary emphysema and oedema. Adjunctive therapy in the treatment of acute mastitis. E: Alleviation of inflammation and pain associated with musculoskeletal disorders. Alleviation of visceral pain associated with colic. –E, B, 100ml

Dosage: B: Admin. 2ml/45kg bm iv. Repeat as necessary at 24-hour intervals for up to 5 consecutive days. The cause of the acute inflammatory condition should be determined and treated with concomitant therapy. E: Equine musculoskeletal disorders: Admin. 1ml/45kg bm iv. Repeat as necessary at 24-hour intervals for up to 5 consecutive days. Equine colic: Admin. 1ml/45kg bm iv. Repeat 1-2 times if signs of colic recur.

W/T: Meat 7 days. Milk 36 hours.

C/I: Do not admin. to pregnant mares. Do not use in animals suffering from cardiac, hepatic or renal disease, where there is the possibility of GI ulceration or bleeding and evidence of blood dyscrasia. Avoid use in dehydrated hypovolaemic or hypotensive animals as there is a potential risk of increased renal toxicity.

P/I: Do not admin. concurrently with other NSAIDs or within 24 hours of each other.

See also IDR page 12

CURACEF DUO INJECTABLE SUSPENSION, Virbac
Ceftiofur 50mg, ketoprofen 150mg/ml.

(S4) INJECTABLE SUSPENSION
17/17.1.10/02

Indications: For the treatment of respiratory disease (*Histophilus somni*, *Mannheimia haemolytica* and *Pasteurella multocida*), and interdigital necrobacillosis (*Bacteroides melaninogenicus*, *Fusobacterium necrophorum*, *Fusobacterium nucleatum*, *Prevotella bivia* and *Prevotella oralis*) due to bacteria susceptible to ceftiofur and associated with pain and/or pyrexia and/or inflammation. –B.

50ml, 100ml, 250ml

Dosage: 1ml/50kg im at each injection. Use only when the disease is associated with clinical signs of inflammation or pyrexia and may be admin. for 1-5 consecutive days, depending upon the clinical response on a case-by-case basis. As the duration for the antibiotic treatment should not be <3-5 days, when inflammation and pyrexia have subsided, switch to a ceftiofur-only

containing product in order to ensure 3-5 days of continuous antibiotic treatment. See literature.

W/T: Meat and offal 8 days. Milk 0 hours.

C/I: Do not use in poultry (including eggs) due to risk of spread of antimicrobial resistance to humans. Do not admin. other NSAIDs concurrently or within 24 hours of each other. Use is contraindicated in animals suffering from cardiac, hepatic or renal disease, where there is the possibility of gastrointestinal ulceration or bleeding, where there is evidence of a blood dyscrasia.

P/I: Avoid use in any dehydrated, hypovolaemic or hypotensive animals as there is a potential risk of increased renal toxicity.

See also IDR page 695

FINADYNE®, Intervet SA (MSD Animal Health)
Flunixin 50mg/ml. Antioxidants: edetate disodium 0,01%, sodium formaldehyde sulphonylate 0,25% m/v. Preservative: phenol 0,5% m/v.

INJECTION C83/2.6/63

Indications: Treatment of acute inflammation, musculoskeletal inflammatory conditions. Pain: Alleviated pain associated with colic in horses. Fever: Controls fever in the treatment of respiratory disease in pigs. Sepsis and endotoxaemia. Acute coliform mastitis. Prophylaxis: Acute bovine pulmonary emphysema and oedema (ABPE). Used prior to ophthalmic surgery to prevent inflammatory response. –B, E, Cap, P.

50ml, 250ml

Dosage: E: Musculoskeletal disorders: 1,1mg/kg bm 1 x daily iv or im for up to 5 days. Equine colic: 1,1mg/kg bm by slow iv. 1-2 additional treatments may be required. B: Use in bovine acute inflammatory conditions associated with respiratory disease, the recommended dosage is 2ml/45kg live mass for 3 consecutive days in combination with antibiotic therapy or with rehydration therapy, as appropriate. Repeat as necessary at 24-hour intervals for no more than 5 consecutive days. P: Admin. 2,2mg/kg bm as a single im injection 1 x daily for 3 consecutive days in conjunction with antimicrobial treatment. Admin. 1-2 injections separately in a 12-hour interval. Limit injection volume to a max of 5ml/site. Can: 0,5 to 1mg/kg bm im or iv as a single dose or daily for not more than 3 days. See literature.

W/T: B: Meat 5 days. Milk 36 hours. A withdrawal period has not been established for Finadyne® in pre-ruminating calves. Do not use in calves to be processed for veal. P: 28 days.

C/I: Avoid intra-arterial injection. Do not treat foals younger than 72 hours.

P/I: Rehydrate animals before admin. NSAIDs as renal papillary necrosis may occur in the dehydrated state. The effect in pregnant horses is unknown.

See also IDR page 525

KETINK INJECTABLE SOLUTION, Afrivet
Ketoprofen 100 mg per ml.

(S3) INJECTION 17/3.1/3

Indications: B, P, E: Horses: Anti-inflammatory and analgesic treatment of musculo-skeletal disorders. Symptomatic analgesic treatment of visceral pain. Cattle: Anti-inflammatory, anti-pyretic in cases of musculo-skeletal conditions. Use as an adjunct to the treatment of acute respiratory conditions, mastitis, and other inflammatory conditions. Pigs: Treatment of inflammatory conditions i.e., Mastitis-Metritis-Agalactia syndrome (MMA) and respiratory infections. Alleviation of fever. 100ml, 250ml

Dosage: Horses: For musculo-skeletal inflammation and pain: Admin. 2,2mg of active ingredient per kg bm daily for 3-5 consecutive days, by iv or im route, i.e., 1ml/45kg. For visceral pain associated with colic: Admin. 2,2mg of active ingredient per kg. i.e., 1ml/45kg bm. A single iv injection is usually sufficient. Any further injections should be considered after reconsideration of the diagnosis. Cattle: Admin. 3mg of active ingredient per kg bm daily for 1-3 consecutive days, by im or iv route, i.e., 3ml/100kg. Pigs: Give 1 injection of 3mg of active ingredient per kg bm, i.e., 3ml/10 kg by im route.

W/T: Cattle (edible tissues): 1-day iv route; 4 days im route. Pigs (edible tissues): 4 days. Cattle (Milk): Milk discard time of nil hours.

C/I: Do not admin. to animals with gastro-duodenal ulcers or haemorrhagic syndrome. Do not admin. to animals with severe renal insufficiency. Do not admin. to animals with a bleeding tendency. Do not use when previous allergy to ketoprofen has occurred. Do not admin. by intra-arterial route.

P/I: Side effects typical of non-steroidal anti-inflammatory agents such as gastrointestinal ulceration and nephrotoxicity may occur.

See also IDR page 38

KETOFEN 10 %, Ceva AH
Ketoprofen 10g/100ml.

(S3) INJECTION C94/3.1/11

Indications: E: Anti-inflammatory and analgesic. Symptomatic analgesic treatment of visceral pain. B: Anti-inflammatory and analgesic and anti-pyretic in cases of musculo-skeletal conditions. Use as an adjunct to the treatment of acute respiratory conditions, mastitis and other inflammatory conditions. P: Treatment of inflammatory conditions, i.e. mastitis-metritis-agalactia syndrome (MMA) and respiratory infections. Alleviation of fever. –E, B, P, 100ml

Dosage: E: 1ml iv or im/45kg bm for 3-5 consecutive days. B: 3ml iv or im/100kg bm for 1-3 consecutive days. P: 3ml im/100kg bm for 1 day.

W/T: B: Meat 1 day iv route, 4 days im route. P: Meat 4 days.

C/I: Do not admin. to pregnant mares. Do not use in foals less than 15 days old. Do not admin. to animals with gastro-duodenal ulcers, haemorrhagic syndromes, severe renal insufficiency or animals with a bleeding tendency.

See also IDR page 226

RESFLOR, Intervet SA (MSD Animal Health)
Florfenicol 300mg, flunixin 16,5mg/ml.

(S4) INJECTABLE SOLUTION
C06/17.1.11/17

Indications: B: For clinical treatment of respiratory infections caused by *Mannheimia haemolytica*, *Mycoplasma bovis*, *Pasteurella multocida* and *Histophilus somni* associated with pyrexia. –B.

100ml, 250ml

Dosage: 2ml/15kg bm by single sc injection in the neck. Dose volume at any site not to exceed 10ml.

W/T: Meat and offal 63 days. Milk – Do not use in animals producing milk for human consumption.

C/I: Do not use in adult bulls intended for breeding purposes. Do not use in animals suffering from hepatic and renal diseases. Do not use if there is a risk of gastrointestinal bleeding or in cases where there is evidence of altered haemostasis. Do not admin. to animals <6 weeks of age. Do not use in lactating dairy cows.

P/I: The effect on bovine reproductive performance and pregnancy has not been assessed.

See also IDR page 633

3.1.2.2. Selective COX2 inhibitors

CANIFLAM, Ceva AH
Meloxicam 1,5mg/ml.

ORAL SUSPENSION C09/3.1.2.2/19

Indications: Alleviation if inflammation and pain in both acute and chronic musculoskeletal disorders. –Can.

10ml, 32ml, 100ml

Dosage: Admin. mixed with food. 4 drops/kg bm 1 x daily on the 1st day. 2nd day onwards: Once daily admin. 2 drops/kg bm. For medium- to long-term use.

C/I: Do not use in cats. Do not admin. to pregnant bitches or during lactation. Do not admin. concurrently or following pre-treatment with other steroidal or NSAIDs, aminoglycosides or anticoagulants. See literature.

See also IDR page 182

CARPROFEN 20, 50, 100MG AFRIVET, Afrivet
Carprofen 20mg, Carprofen 50mg, Carprofen 100mg.

(S3) CHEWABLE TABLETS C10/3.1.2.2/02, C10/3.1.2.2/03, C10/3.1.2.2/04

Indications: Anti-inflammatory, osteoarthritis. –Can.

100

Dosage: 4mg/kg bm. Admin. 1 x daily or 2 equally divided doses.

S/E: Mild gastrointestinal signs. Renal, hematologic, neurologic, dermatologic, hepatic effects.

C/I: Hypersensitivity. Dogs with bleeding disorders. Do not use in dogs suffering from cardiac, hepatic or renal disorders where GI ulceration or bleeding a possibility, or where there is evidence of a blood dyscrasia. Do not use in cats. Do not use in puppies less than 4 months of age.

See also IDR page 8

INFLACAM 20MG/ML INJECTABLE FOR CATTLE, PIGS AND HORSES, Virbac
Meloxicam 20mg/ml.

(S3) INJECTABLE 15/3.1.2/04

Indications: B: Acute respiratory infection with appropriate antibiotic therapy; in diarrhoea in combination with oral rehydration therapy; adjunctive therapy in the treatment of acute mastitis, in combination with antimicrobial therapy. P: In non-infectious locomotive disorders to reduce the clinical signs of lameness and inflammation; adjunctive therapy in the treatment of puerperal septicaemia and toxemia (Mastitis-metritis-agalactia syndrome) with appropriate antimicrobial therapy. E: Alleviation of inflammation and relief of pain in both acute and chronic musculoskeletal disorders; relief of gastrointestinal pain associated with colic. –B, P, E.

Dosage: B: 2,5ml/100kg bm sc or iv. P: 2,0ml/100kg bm im. E: 3,0ml/100kg bm iv once daily.

W/T: B: Meat and offal 15 days. Milk 5 days. P: Meat and offal 5 days. See literature.

C/I: Do not use in animals suffering from impaired hepatic, cardiac or renal function and haemorrhagic disorders, or where there is evidence of ulcerogenic gastrointestinal lesions.

P/I: In horses, do not use in pregnant or lactating mares or foals <6 weeks of age. For the treatment of diarrhoea in calves, do not use in animals <1 week of age.

See also IDR page 726

METACAM® 0,5 MG/ML ORAL SUSPENSION FOR CATS, Boehringer
Meloxicam 0,5mg/ml.

(S3) ORAL SUSPENSION C 15/3.1.2.1/09

Indications: Anti-inflammatory, analgesic in cats – Fel.

3ml, 15ml, 30ml

Dosage: Admin. orally either mixed with food or directly into the mouth. See literature. For post-operative pain and

inflammation following surgical procedures: after initial treatment with Metacam® 5mg/ml Solution for Injection, continue treatment 24 hours later with Metacam® 0,5mg/ml Oral Suspension for Cats at a dosage of 0,05mg meloxicam/kg bm. The oral follow-up dose may be admin. once daily (at 24-hour intervals) for up to 4 days. Acute musculoskeletal disorders: initial treatment is a single oral dose of 0,2 mg meloxicam/kg bm on the 1st day. Treatment is to be continued thereafter once daily by oral admin. (at 24-hour intervals) at a dose of 0,05mg meloxicam/kg bm for as long as acute pain and inflammation persist. Chronic musculoskeletal disorders: initial treatment is a single oral dose of 0,1mg meloxicam/kg bm on the 1st day. Treatment is to be continued thereafter once daily by oral admin. (at 24-hour intervals) at a maintenance dose of 0,0 mg meloxicam/kg bm. A clinical response is normally seen within 7 days. Treatment should be discontinued after 14 days at the latest if no clinical improvement is apparent. **S/E:** Loss of appetite, vomiting, diarrhoea, faecal occult blood, lethargy and renal failure. **C/I:** Do not use in cats: suffering from gastrointestinal disorders such as irritation and haemorrhage, impaired hepatic, cardiac or renal function and haemorrhagic disorders; Hypersensitivity to this medicine; cats <6 weeks of age; pregnant or lactating queens. Concurrent/following pre-treatment with other anti-inflammatory drugs, diuretics, aminoglycoside antibiotics or anticoagulant agents and substances with high protein binding, which may compete for protein binding and thus lead to toxic effects. **See also IDR page 135**

METACAM® 1MG; 2,5 MG CHEWABLE TABLETS FOR DOGS, Boehringer Metacam 1mg or 2,5mg/tablet. **(S3) TABLET C 15/3.1.2/12 and C 15/3.1.2/13** **Indications:** Alleviation of inflammation and pain in both acute and chronic musculoskeletal disorders in dogs. –Can. 7, 84, 252 tablets **Dosage:** Initial treatment is a single dose of 0,2mg meloxicam/kg bm on the first day, which can be given orally or alternatively Metacam® 5mg/ml Solution for Injection may be used. Treatment is to be continued once daily by oral admin. (at 24-hour intervals) at a maintenance dose of 0,1mg meloxicam/kg bm. **S/E:** Loss of appetite, vomiting, diarrhoea, occult faecal blood, lethargy and renal failure have occasionally been reported. In very rare cases haemorrhagic diarrhoea, haematemesis, gastrointestinal ulceration and elevated liver enzymes have been reported. **C/I:** Do not use in pregnant or lactating bitches. Not be used in cats. Cases of known hypersensitivity to this medicine. Do not use in dogs <6 weeks of age or <4kg bm. **See also IDR page 136**

METACAM® 1,5 MG/ML ORAL SUSPENSION FOR DOGS, Boehringer Meloxicam 1,5mg/ml; 0,05mg/drop. **(S3) ORAL SUSPENSION 94/3.1.2/15** **Indications:** For the alleviation of inflammation and pain in both acute and chronic musculoskeletal disorders such as disco-spondylitis, arthropathy and soft tissue injuries. –B. 10ml, 32ml, 100ml, 180ml **Dosage:** Admin. mixed with food or directly into the mouth. Initial treatment: 4 drops/kg bm on 1st day. Continue at 24-hour intervals at 2 drops/kg bm for medium- to long-term use. Discontinue after 10 days at the latest if no clinical improvement. See literature. **C/I:** Do not use in cats. Do not use in animals suffering from cardiac, hepatic or clinical renal disease, gastrointestinal ulceration and haemorrhagic diathesis. Do not admin. to pregnant bitches or during lactation. Do not admin. concurrently or following pre-treatment with other steroidal or NSAIDs, glucocorticosteroids, diuretics, aminoglycoside antibiotics or anticoagulant agents. **S/E:** Loss of appetite, vomiting, diarrhoea, occult blood in the faeces and depression. **P/I:** Use in animals less than 6 weeks of age or in debilitated animals may involve additional risk. **See also IDR page 135**

METACAM® 5MG/ML INJECTION FOR DOGS AND CATS, Boehringer Meloxicam 5mg/ml. **(S3) SOLUTION FOR INJECTION C08/3.1.2.1/12** **Indications:** Can: Alleviation of inflammation and pain in both acute and chronic musculoskeletal disorders. Reduction of post-operative pain and inflammation following orthopaedic and soft tissue surgery. F: Management of febrile conditions in combination with appropriate antibiotics. Reduction of post-operative pain after ovariohysterectomy and minor soft tissue surgery. –Can, F. 10ml, 20ml **Dosage:** Can: Musculoskeletal disorders: Single 0,04ml/kg bm sc. Metacam 1,5mg/ml Oral Suspension may be used for continuation of treatment at a dosage of 0,1mg/kg bm, 24 hours after admin. of injection. Reduction of post-operative pain (over a period of 24 hours): Single 0,04ml/kg bm iv or sc before surgery, e.g. at induction of anaesthesia. F: Febrile conditions: Single 0,06ml/kg bm sc. Reduction of post-operative pain: Single 0,06ml/kg bm sc before surgery, e.g. at induction of anaesthesia. **C/I:** Do not use in puppies <6 weeks of age nor in cats <2kg. Do not use in animals suffering from GI disorders such as irritation and haemorrhage, impaired hepatic, cardiac or renal functions and haemorrhagic disorders.

Do not admin. in conjunction with other NSAIDs, glucocorticosteroids or diuretics. Do not use in pregnant or lactating animals. **P/I:** For post-operative pain relief in cats, safety has only been documented after thiopental/halothane anaesthesia. **See also IDR page 137**

METACAM® 20 MG/ML INJECTION FOR CATTLE, SHEEP, PIGS AND HORSES, Boehringer Meloxicam 20mg/ml. **(S3) INJECTION 08/3.1.2.1/14** **Indications:** B: Acute respiratory infection with appropriate antimicrobial therapy to reduce clinical signs. In diarrhoea in combination with oral re-hydration therapy to reduce clinical signs in calves >1 week of age and young, non-lactating cattle. Relief of post-operative pain following dehorning in calves. Adjunctive therapy in the treatment of acute mastitis, in combination with antimicrobial therapy. O: In animals 14 days of age or older for the alleviation of pain and inflammation. P: non-infectious locomotive disorders to reduce the clinical signs of lameness and inflammation. Adjunctive therapy in the treatment of puerperal septicaemia and toxemia (mastitis-metritis-agalactia syndrome) with appropriate antimicrobial therapy. E: Alleviation of inflammation and relief of pain in both acute and chronic musculoskeletal disorders. Relief of gastrointestinal pain associated with colic. 20ml, 50ml, 100ml, 250ml **Dosage:** B: 2,5ml/100kg bm sc or iv. O: 1ml/20kg bm sc behind the ear. P: 2ml/100kg bm im. If necessary, admin. 2nd dose after 24 hours. E: 3ml/100kg bm iv. **W/T:** B: Meat and offal 15 days. Milk 5 days. O: Meat and offal 11 days. P: Meat and offal 5 days. E: n/a. **C/I:** Do not use in foals <6 weeks of age. For the treatment of diarrhoea in calves, do not use in animals of less than 1 week of age. Do not use in lambs younger than 14 days of age. Do not use in animals suffering from impaired hepatic, cardiac or renal function and haemorrhagic disorders, or where there is evidence of ulcerogenic gastrointestinal lesions. O: Do not use in lactating ewes or pregnant ewes within 11 days of lambing where milk may be used or processed for human consumption. E: Do not use in pregnant or lactating mares. **See also IDR page 139**

METACAM® 40 MG/ML INJECTION FOR CATTLE AND HORSES, Boehringer Peg milled meloxicam 40mg/ml. **(S3) INJECTION C17/3.1.2/08** **Indications:** B: For use in acute respiratory infection with appropriate antimicrobial therapy to reduce clinical signs such as fever, depression and dullness, lack of appetite, dyspnoea, coughing, nasal and

eye discharges. For use in diarrhoea in combination with oral re-hydration therapy to reduce clinical signs in calves >1 week of age and young, non-lactating cattle. For the relief of post-operative pain following dehorning in calves. For adjunctive therapy in the treatment of acute mastitis, in combination with antimicrobial therapy. E: For use in the alleviation of inflammation and relief of pain in both acute and chronic musculoskeletal disorders. For the relief of gastrointestinal pain associated with colic through meloxicam's anti-inflammatory and analgesic effects. 50ml, 100ml **Dosage:** B: 1,25ml/100kg bm sc or iv in combination with antimicrobial therapy or with oral re-hydration therapy, as appropriate. E: 1,5ml/100kg bm iv. See literature. **W/T:** B: Meat and offal 15 days. Milk 5 days. E: n/a. **C/I:** Do not use in foals <6 weeks of age. For the treatment of diarrhoea in calves, do not use in animals of <1 week of age. Do not use in animals suffering from impaired hepatic, cardiac or renal function and haemorrhagic disorders, or where there is evidence of ulcerogenic gastrointestinal lesions. Do not use in pregnant or lactating mares. **P/I:** Do not admin. concurrently with glucocorticosteroids, other NSAIDs or with anticoagulant agents. **See also IDR page 141**

ONSIOR 5 MG, 10 MG, 20 MG, 40 MG TABLETS FOR DOGS, Elanco AH Onsior 5mg tablets for dogs: robenacoxib 5mg; Onsior 10mg tablets for dogs: robenacoxib 10mg; Onsior 20mg tablets for dogs: robenacoxib 20mg; Onsior 40mg tablets for dogs: robenacoxib 40mg. **(S3) TABLETS 07/3.1.2.2/18/19/20/21** **Indications:** For the relief of acute pain and inflammation associated with chronic osteoarthritis. For the relief of pain and inflammation associated with orthopaedic and soft tissue surgery. –Can. 6, 12, 30, 60 **Dosage:** Give orally with or without food. Osteoarthritis: 1mg/kg with a range 1-2mg/kg daily. Post-surgery: 2mg/kg. Continue treatment with 1 mg/kg with a range 1-2mg/kg daily for up to 14 days. See literature. **C/I:** Do not use in animals suffering from GI ulceration or hepatic disease. Do not use concomitantly with corticosteroids or NSAIDs. Do not use in animals under 3 months of age. **P/I:** Safety during pregnancy and lactation or in breeding dogs has not been established. **See also IDR page 328**

ONSIOR 6MG FOR CATS, Elanco AH Robenacoxib 6mg/tablet. **(S4) TABLETS C07/3.1.2.2/22**

Indications: For the treatment of pain and inflammation associated with acute or chronic musculo-skeletal disorders in cats. For the treatment of pain and inflammation associated with soft tissue and orthopaedic surgery in cats. –F. 6, 12, 30, 60 **Dosage:** Can be given without food or with a small amount of food. The recommended min dose is 1mg/kg bm (range 1-2,4mg/kg). **C/I:** Do not admin. to cats weighing less than 2,5kg or under 4 months of age. Do not use in animals suffering from GI ulceration. Do not use concomitantly with corticosteroids or other NSAIDs. **P/I:** Safety during pregnancy and lactation has not been established. **See also IDR page 329**

ONSIOR INJECTION, Elanco AH Robenacoxib 20mg/ml, sodium metabisulphite 0,05 % m/v. **(S3) INJECTION 07/3.1.2.2/23** **Indications:** For the relief of pain and inflammation associated with orthopaedic or soft tissue surgery in dogs and soft tissue surgery in cats. –Can, F. 20ml **Dosage:** Admin. 1ml/10kg bm sc to cats or dogs before the start of surgery. Treatment may be continued for up to 6 days in cats, and for up to 14 days in dogs with Onsior tablets admin. 1 x/day. Min. dosage of Onsior tablets is 1mg/kg bm. **C/I:** Do not use in animals suffering from GI ulceration. Do not use concomitantly with corticosteroids or other NSAIDs. Do not use in case of hypersensitivity to the active substance. Do not admin. im. **P/I:** Safety during pregnancy and lactation or in breeding dogs has not been established. Safety in cats <4 months of age and in dogs <3 months of age, or in cats or dogs <2,5kg bm has not been established. **See also IDR page 331**

PETCAM, Kyron AH Meloxicam 1,5mg/ml. **(S3) ORAL SUSPENSION C 05/3.1.2.2/3** **Indications:** Relief of pain and inflammation related to musculoskeletal disorders. –Can. 10ml, 32ml, 100ml **Dosage:** Mix with food or admin. orally. Day 1: 4 drops/kg bm. Day 2 and consecutive days: 2 drops/kg bm. Discontinue treatment after 10 days if no improvement is visible. **C/I:** Do not admin. to pregnant or lactating bitches. **P/I:** Use with caution in animals under 6 weeks of age or in debilitated, ageing animals. **See also IDR page 458**

PETCAM INJECTION 0,5 %, Kyron AH Meloxicam 5mg/ml. **(S3) INJECTION C 08/3.1.2.2/03**

Indications: Can: Alleviation of pain and inflammation in musculoskeletal disorders of an acute or chronic nature. Reduction of postoperative inflammation and pain after soft tissue and orthopaedic surgery. F: Management of febrile conditions in conjunction with appropriate antibiotics. Postoperative pain reduction following minor soft tissue surgery and ovariohysterectomy. –Can, F. 10ml **Dosage:** Admin. sc or iv. Can: Musculoskeletal disorders and postoperative pain reduction: 0,4ml/10kg bm. Single dose (can be given prior to surgery) followed 24 hours later with Petcam Oral Suspension. F: Febrile conditions and postoperative pain reduction: 0,3ml/5kg prior to surgery. **C/I:** Cats weighing <2kg and puppies under 6 weeks of age. Do not admin. to pregnant and lactating animals. Avoid using in animals with GI disorders, including haemorrhage and irritation, renal, cardiac or hepatic function impairment. Haemorrhagic disorders. Do not admin. piuretics, glucocorticosteroids or other NSAIDs in combination with this product. Avoid using in combination with medicines that may potentially be nephrotoxic, e.g. aminoglycosides. **P/I:** In cats, safety has only been documented for postoperative pain relief following anaesthesia with thiopental/halothane. Discontinue if side effects occur. **See also IDR page 458**

PREVICOX 57 MG/227 MG CHEWABLE TABLETS, Boehringer 57mg Firocoxib/57mg chewable tablet; 227mg Firocoxib/227mg chewable tablet. **(S3) CHEWABLE TABLETS C03/3.1.2/14; C03/3.1.2/15** **Indications:** For the relief of pain and inflammation associated with osteoarthritis. –Can. 10, 15 **Dosage:** Admin. 5mg/kg bm orally 1 x daily. Admin. with or without food. Duration of treatment depends on response. **C/I:** Do not use in pregnant or lactating bitches. Lab studies in rats showed evidence of maternotoxic, foetotoxic and teratogenic effects. **P/I:** Do not use in animals below 12 weeks of age. **See also IDR page 150**

RECOCAM 20 MG/ML, Afrivet Meloxicam 20mg/ml. **(S3) INJECTABLE SOLUTION 21/3.1.2.1/07** **Indications:** B, P, E: Cattle: For use in acute respiratory infection with appropriate antibiotic therapy to reduce clinical signs in cattle. For use in diarrhoea in combination with oral re-hydration therapy to reduce clinical signs in calves of over 1 week of age and young, non-lactating cattle, or adjunctive

therapy in the treatment of acute mastitis, in combination with antibiotic therapy.

Pigs: For use in non-infectious locomotor disorders to reduce the signs of lameness and inflammation. For adjunctive therapy in the treatment of puerperal septicaemia and toxæmia (Mastitis-Metritis-Agalactia syndrome) with appropriate antibiotic therapy. **Horses:** For use in the alleviation of inflammation and relief of pain in both acute and chronic musculo-skeletal disorders. For the relief of gastrointestinal pain associated with equine colic. 50ml, 100ml

Dosage: Cattle: Single sc or iv injection of 0,5mg meloxicam/kg bm (i.e., 2,5ml/100kg bm) in combination with antibiotic therapy or with oral re-hydration therapy, as appropriate. **Pigs:** Single im injection of 0,4mg meloxicam/kg bm (i.e., 2,0ml/100kg bm) in combination with antibiotic therapy, as appropriate. If required, a 2nd admin. of meloxicam can be given after 24 hours. **Horses:** Single iv injection of 0,6mg meloxicam/kg bm (i.e., 3ml/100kg bm). For use in the alleviation of inflammation and the relief of pain in both acute and chronic musculo-skeletal disorders, oral suspensions of meloxicam may be used for continuation of treatment at a dosage of 0,6mg meloxicam/kg bm, 24 hours after admin. of the injection.

W/T: B: Meat and offal 15 days. Milk 5 days. P: Meat and offal 5 days. E: Not applicable.

C/I: Do not use in foals less than 6 weeks of age. Do not use in animals suffering from impaired hepatic, cardiac or renal function and haemorrhagic disorders, or where there is evidence of ulcerogenic gastrointestinal lesions. Do not use in case of hypersensitivity to the active substance or to any of the excipients. For the treatment of diarrhoea in cattle, do not use in animals of less than 1 week of age.

P/I: Avoid use in very severely dehydrated, hypovolaemic or hypotensive animals which require parenteral rehydration, as there may be a potential risk of renal toxicity.

See also IDR page 47

RIMIFEN 20; RIMIFEN 100, Intervet SA (MSD Animal Health)
Carprofen 20mg/tablet; Carprofen 100mg/tablet.

(S3) TABLETS 14/3.1.2.2/07; 14/3.1.2.2/09

Indications: Analgesia and reduction of chronic inflammation, e.g., in degenerative joint disease. Management of post-operative pain. –Can.

2 x 10, 10 x 10, 20 x 10 tablets

Dosage: Initial dose: Admin. 2-4mg/kg bm/day as 1 or in 2 equally divided doses. Subject to response, reduce dose after 7 days to 2mg/kg bm/day as a single daily dose. Re-evaluate after 14 days of therapy.

C/I: Do not use in dogs <6 weeks of age, or in aged dogs. Do not use in cats. Do not use

in dogs suffering from cardiac, hepatic or renal disease, where there is a possibility of gastrointestinal ulceration or bleeding, or where there is evidence of blood dyscrasia. Do not use in pregnant or lactating bitches. Do not admin. concurrently or within 24 hours of another NSAID.

See also IDR page 639

TOLFEDINE, Afrivet
Tolfenamic acid 20mg or 60mg.

(S3) TABLETS C07/3.1/14, C07/3.1/15

Indications: NSAID, antipyretic, analgesic. Can: Treatment of acute and chronic inflammation associated with locomotor disease. F: Treatment of febrile syndrome. –Can, F, 16, 96

Dosage: 4mg/kg bm 1 x daily for 3-5 days. Orally with food.

S/E: Diarrhoea and vomiting may occur. Temporary thirst and/or diuresis may occur – resolves spontaneously after treatment.

P/I: Avoid use in dehydrated, hypovolemic or hypotensive animals. Avoid concurrent use of potential nephrotoxic drugs as there is a potential risk of increased renal toxicity. Use in animals below 6 weeks of age may involve additional risk. If such use cannot be avoided, reduced dosage and careful clinical management is essential.

C/I: Concurrent use with other NSAIDs and steroids in contraindicated. Do not use in animals with suspected gastro-duodenal ulceration, or with impaired renal, cardiac or hepatic function, blood dyscrasia or hypersensitivity to tolfenamic acid. Do not use in pregnant animals. Do not admin. to cats undergoing general anaesthesia until fully recovered.

See also IDR page 51

TOLFEDINE INJECTABLE, Afrivet
Tolfenamic acid 40mg/ml.

(S3) SOLUTION FOR INJECTION A06/3.1/08

Indications: As an aid in the treatment of acute inflammation associated with respiratory disease and as adjunct in the treatment of acute mastitis. –B.

Dosage: Respiratory disease: 2mg/kg (1ml/20kg) im. Treatment may be repeated once only after 48 hours. Mastitis: 4mg/kg (1ml/10kg) as a single iv injection. Bolus admin. of the product iv should be slow, preferably over a minute.

50ml, 100ml, 250ml

W/T: Meat: iv injection – 4 days; im injection: – 10 days. Milk: iv inj: –1 milking; im inj – none.

See also IDR page 51

VETCAM 2 %, Kyron AH
Meloxicam 20mg/ml.

(S3) INJECTABLE SOLUTION C 13/3.1.2/09

Indications: B: To reduce the clinical signs of acute respiratory infection in combination

with appropriate antimicrobial therapy. To reduce the clinical signs of diarrhoea in combination with oral rehydration therapy in calves older than 1 week of age and in young non-lactating cattle. As adjunctive therapy in the treatment of acute mastitis in combination with antimicrobial therapy. E: For use in the relief of pain and alleviation of inflammation in both acute and chronic muscoskeletal disorders. For the relief of gastrointestinal pain associated with colic. –B, E, 100ml

Dosage: B: 2,5ml/100kg bm sc or im in combination with antimicrobial or oral rehydration therapy as appropriate. E: 3,0ml/100kg bm iv.

W/T: B: Meat and offal 15 days. Milk 5 days. Horses – not applicable. Do not use in horses intended for human consumption.

C/I: In foals <6 weeks of age. For the treatment of diarrhoea in calves <1 week of age. In animals with impaired hepatic, renal or cardiac function and haemorrhagic disorders, or where there is evidence of ulcerogenic gastrointestinal lesions. E: Do not use in pregnant or lactating mares.

See also IDR page 467

3.1.3. Topical agents

3.1.4. Others

LEGEND, Boehringer
Sodium hyaluronate 10mg/ml.

(S4) INJECTION C98/3.1/4

Indications: For the treatment of lameness due to non-infectious synovitis which may be associated with equine osteoarthritis. –E, 4ml

Dosage: Intra-articular: 2ml. iv: 4ml. Route depends on clinical judgement. Treatment may be repeated at weekly intervals for 3 treatments. Strict aseptic techniques should be observed when injecting Legend. See literature.

S/E: A diffuse swelling of the affected joint may be seen for 24 to 48 hours post treatment.

See also IDR page 133

TILDREN, Ceva AH
Tiludronic acid (as disodium salt) 50mg.

(S4) POWDER C04/3.1.5/08

Indications: Treatment of lameness associated with bone spavin in horses older than 3 years. –E.

Dosage: 1ml reconstituted solution slow iv/50kg bm daily.

C/I: Do not admin. to horses under 3 years old. Do not use during pregnancy or lactation.

S/E: Tiludronic acid may form complexes with metal divalent ions.

P/I: Monitor the horse for the first 3 hours following the injection due to the possible onset of adverse reactions (see insert).

See also IDR page 233

3.2. Analgesics

3.2.1 Centrally-acting muscle relaxants

ROMPUN 2 %, Elanco AH
Xylazine HCl 20mg/ml.

(S5) INJECTION 83/419

Indications: Sedation, analgesia, muscle relaxation. –B, E, Can, F, Game. 25ml

Dosage: Dose according to species, effect required. See literature.

C/I: Last month of pregnancy. –B, E. Oesophageal obstructions, stomach torsions. –Can, F.

W/T: Meat 12 hours. Milk 12 hours. Not to be used in game intended for slaughter.

See also IDR page 337

4. CARDIOVASCULAR

4.1. Positive inotropic agents

4.1.1. Methylxanthines

KARSIVAN, Intervet SA (MSD Animal Health)
Propentofylline 50mg.

(S2) TABLETS C87/5.1.2/1

Indications: For geriatric dogs with circulatory disorders. May alleviate tiredness, apathy, stiff gait, lack of appetite, difficulty in rising and walking. Lack of appetite, wasting, alopecia, dull and rough coat in geriatric dogs. –Can.

60 tablets

Dosage: Admin. on empty stomach. 1 tab/10kg bm per day, in divided doses, twice daily.

S/E: Sedation, allergic reactions, tachycardia, vomiting, increase or reduction in appetite, dyspnoea, weakness of hind legs may occur, increased thirst.

See also IDR page 544

4.1.2. ACE Inhibitors

FORTEKOR 5 & 20, Elanco AH
Benazepril HCl 5mg and 20mg.

(S3) TABLETS C97/5.3.2/9; 97/5.3.2/10

Indications: Congestive cardiac failure in dogs; chronic renal insufficiency in cats. –Can, F.

Blisterpacks of 14 tablets

Dosage: Dogs: 0,25-0,5mg/kg bm, orally, once daily, with or without food. Cats: 0,5mg/kg bm, orally, once daily with or without food.

S/E: Hypotension may occur in dogs.

See also IDR page 312

4.1.3. PDE Inhibitors

VETMEDIN™ 1,25 MG, 2,5 MG, 5 MG AND 10 MG CHEWABLE TABLETS, Boehringer
1,25mg/2,5mg/5mg/10mg pimobendan/tablet.

(S4) CHEWABLE TABLETS C08/5.1/09; C13/5.1/11; C08/5.1/10; C15/5.1/11

Indications: For the treatment of canine congestive heart failure originating from dilated cardiomyopathy or valvular insufficiency (mitral and/or tricuspid regurgitation). For the treatment of dilated cardiomyopathy in the preclinical stage (asymptomatic with an increase in left ventricular end-systolic and end-diastolic diameter) in large breed dogs following echocardiographic diagnosis of heart disease. Use for treating dogs with evidence of increased heart size secondary to asymptomatic (preclinical) myxomatous mitral valve disease to delay the onset of clinical symptoms of heart failure, to reduce heart size and to increase survival time. –Can. 50 tablets

Dosage: Daily dose: 0.5mg pimobendan/kg bm. Divide dose into 2 admin. (0,25mg/kg each), 1 ½ of the dose am and the other ½ approx. 12 hours later. Give each dose approx. 1 hour before feeding.

C/I: Should not be used in cases of hypertrophic cardiomyopathies or clinical conditions where an augmentation of cardiac output is not possible for functional or anatomical reasons (e.g. aortic stenosis).

P/I: Safety and toxicity on pregnant and lactating bitches have not been established. A moderate positive chronotropic effect, vomiting and diarrhoea may occur. These effects can be avoided by reducing the dose.

See also IDR page 164

4.1.4. Angiotensin Inhibitors

SEMINTRA™ 4 MG/ML ORAL SOLUTION, Boehringer
Telmisartan 4mg/ml.

(S3) ORAL SOLUTION C 14/5.3.2/06

Indications: For the reduction of proteinuria associated with chronic kidney disease (CKD). –F.

Dosage: 1mg/kg bm. Admin. 1 x daily directly into the mouth or with a small amount of food. Use measuring syringe provided.

C/I: Do not use in pregnant or lactating cats or in cats under the age of 6 months.

See also IDR page 515, 517

SEMINTRA™ 10 MG/ML ORAL SOLUTION, Boehringer
Telmisartan 10mg/ml.

(S3) ORAL SOLUTION C 20/5.3.2/12

Indications: Treatment of systemic hypertension in cats. Reduction of proteinuria associated with chronic kidney disease (CKD) in cats. Also for treatment of cats

with concomitant systemic hypertension and CKD. –F.

Dosage: Systemic hypertension: The initial recommended dose to treat systemic hypertension is mg telmisartan/kg bm (0,2ml/kg bm). Amounts to be admin. once daily. Dose may be reduced after 4 weeks. See literature. For CKD 1mg/kg bm. Admin. 1 x daily directly into the mouth or with a small amount of food. Use measuring syringe provided.

C/I: Do not use in pregnant or lactating cats or in cats <6 months.

See also IDR page 157

4.2. Vasodilators

CARDALIS®. Ceva AH
Cardalis® 2,5mg/20mg: Benazepril HCl (benazeprilum HCl) 2,5mg, spirinolactone (spirinolactonum) 20mg. Cardalis® 5mg/40 mg: Benazepril HCl (benazeprilum HCl) 5mg, spirinolactone (spirinolactonum) 40mg. Cardalis® 10mg/80mg: Benazepril HCl (benazeprilum HCl) 10mg, spirinolactone (spirinolactonum) 80mg. Contains sugar.

(S3) CHEWABLE TABLETS 19/5.3/05/06/07

Indications: Treatment of congestive heart failure caused by chronic degenerative valvular disease (with diuretic support as appropriate). –Can.

30, 90

Dosage: 2,5mg/20/2,5-5kg bm. Admin. with food, either mixed with a small amount of food just prior to the main meal, or with the meal itself. See literature.

C/I: Do not use during pregnancy and lactation. Do not use in dogs intended or used for breeding. Do not use in dogs suffering from hypoadrenocorticism, hyperkalaemia or hyponatraemia. Do not admin. in conjunction with NSAIDs to dogs with renal insufficiency. Do not use in hypersensitivity to ACE inhibitors. Do not use in cardiac output failure due to aortic or pulmonary stenosis.

P/I: A reversible prostatic atrophy is often observed in male dogs treated with spirinolactone. Do not admin. to growing dogs. People with known hypersensitivity to benazepril or spirinolactone should avoid contact with the veterinary medicinal product.

See also IDR page 183

5. BLOOD AND HAEMOPOEITIC

5.1. Coagulants, haemostatics

5.2. Haematinics

DEXIRON 200, Virbac
Iron dextran complex 20% m/v.

INJECTION G2813

Indications: Iron deficiency anaemia in piglets and calves. –B, P, 100ml

Dosage: Piglets: 1ml/1,5-2,0kg bm im in the neck, just below the ear on the 3rd day of life. Calves: 2-4ml/animal im in the 1st week of life.

P/I: Do not admin. sc or iv.

C/I: Do not admin. iron preparations concomitantly with tetracyclines. Contraindicated if severe liver damage or acute kidney infection.

See also IDR page 704

FORCERIS, Ceva AH
Toltrazuril 30mg, iron 133,4mg/ml.

SUSPENSION FOR INJECTION G4385
Indications: For the reduction in oocyst excretion and the prevention of clinical signs of coccidiosis caused by *Cystoisospora suis*. For the prevention of iron deficiency anaemia. –P, 100ml, 250ml, 500ml

Dosage: Shake before use. 1,5ml/animal im behind the ear in 1 single injection. Admin. between 24-96 hours after birth. Admin. slowly. Do not repeat treatment.

W/T: Meat and offal 70 days.

C/I: Do not admin. to piglets suspected to suffer from deficiency of vitamin E and/or selenium.

P/I: Use within 28 days after first opening.

See also IDR page 222

GLEPTOSIL, Ceva AH
Gleptoferron 200mg/ml.

INJECTION G2413
Indications: Prevention and treatment of iron deficiency anaemia. –P, 100ml

Dosage: 1ml im in piglets from 3-7 days of age.

See also IDR page 223

UNIFERON® 20 % VET, Virbac
200mg iron (III) as iron (III) hydroxide dextran complex/ml.

INJECTION G4187
Indications: Indicated for the treatment and prevention of iron deficiency anaemia in piglets. –P, 200ml

Dosage: Admin. im or sc. Piglets: Prevention: A single injection of 1ml at 1-4 days of age. In fast growing piglets a supplementary 1ml injection is recommended 17-24 days after the first injection. Treatment: A single injection of 1ml.

C/I: Do not admin. to piglets suspected to suffer from deficiency of vitamin E and/or selenium.

P/I: Do not mix with other veterinary medicinal products. Parenteral iron may reduce the absorption of concomitantly admin. oral iron.

See also IDR page 765

6.	RESPIRATORY SYSTEM
6.1.	Antitussives and expectorants
6.2.	Bronchodilators
	VENTIPULMIN, Boehringer Clenbuterol HCl 0,016mg/g. (S4) GRANULES 83/331 Indications: Respiratory disease where bronchospasm and/or accumulation of mucus occurs. –E, 500g Dosage: 2,5g/50kg 2 x daily. C/I: Antagonised by beta-adrenergic blocking agents. P/I: Combined use with steroids may potentiate vasodilatory effects. If used during pregnancy, discontinue at expected time of delivery. See also IDR page 164
7.	GASTRO-INTESTINAL TRACT
7.1.	Oral hygiene
	OROVET ORAL GEL, Medpet Chlorhexidine digluconate 0,2%, saccharine, methylcellulose. ORAL GEL Indications: Prevention of plaque. Treatment of gingivitis, oral infections/ ulcerations, periodonitis. 75g Directions for use: Apply 10ml 2 x daily to the gum and inside of the lips for at least 10 days. Do not rinse the animal's mouth after application or give it water for at least 10-20 minutes. Do not apply gel to the animal's mouth 1 hour before or after a meal.
7.2.	Anti-emetics
	★ CERENIA™ INJECTION, Zoetis Maropitant 10mg as maropitant citrate monohydrate 10mg/ml. (S4) SOLUTION FOR INJECTION 09/8.3/07 Indications: For use in dogs and cats: For the prevention of vomiting, except that induced by motion sickness. For the treatment of vomiting in combination with other veterinary and supportive measures. –Can, F, 20ml Dosage: In dogs and cats: Inject sc 1 x daily – 1mg/kg bm (1ml/10kg bm). Treatment may be repeated for up to 5 consecutive days. In dogs Cerenia™ can be used to treat or prevent vomiting either as tablets or as solution for injection once daily for up to 5 days. See package insert.

C/I: Do not admin. to dogs <8 weeks of age and in cats <16 weeks of age. Use with caution in animals with liver diseases. Do not use concomitantly with Ca-channel antagonists.

P/I: Safety during pregnancy and lactation has not been established.

See also IDR page 792

★ CERENIA™ TABLETS, Zoetis
Maropitant as maropitant citrate monohydrate 16mg, 24mg, 60mg, 160 mg/tablet.
(S4) TABLETS 09/8.3/03/04/05/06
Indications: For the prevention of vomiting, including that induced by chemotherapy. For the treatment of vomiting in conjunction with Cerenia™ solution for injection and in combination with other supportive measures. For the prevention of vomiting induced by motion sickness. – Can, 4 tablets
Dosage: Vomiting: Admin. 2mg/kg bm once daily. Prevent vomiting induced by motion sickness: Admin. 8mg/kg bm 1 x daily. See package insert.
C/I: Do not admin. to dogs <8 weeks of age. Use with caution in animals with liver diseases and in animals suffering from or with predisposition for cardiac diseases.
P/I: Safety during pregnancy and lactation has not been established.
See also IDR page 793

7.3.	Motility enhancers
7.3.1.	Lubricants and faecal softeners
	DOCUSOL, Kyron Labs Dioctyl sodium sulphosuccinate 5%. LIQUID G1790 Indications: All animals: Constipation. B, O: Bloat. E: Colic, impaction. –All animals. 500ml Dosage: Constipation: 1:5 parts water as enema. Bloat: B, O: 100ml direct into rumen. Colic, impaction: E: 150-250ml: 5L water orally/as enema. See also IDR page 398
7.3.2.	Laxatives and purgatives
	LAXAPET, Kyron Labs Each cod contains petrolatum BP 2g, lecithin 250mg, cod liver oil 65mg, vitamins A 800iu, B1 0,5mg, B2 0,3mg, B6 0,4mg, B12 0,5µg. GEL G1548 Indications: A laxative. Softens the stools and lubricates the contents of the alimentary canal. Prevention and treatment of hairball impaction in the cat. –Can, F, 500ml Dosage: F: 2,5g-5g/day for 2-3 days, then 1-2,5g 3 x weekly. Squeeze directly from the tube onto cat's nose, tongue, or front paw – it will be readily licked off. Can: Use

double the cat dosage admin. directly into the dog's mouth or mixed into food. Repeat when necessary.

See also IDR page 400

7.4.	Antispasmodics
	ATROPINE 0,5(10) INJECTION, Elanco AH Atropine sulphate 0,5 (10)mg/ml. (S2) INJECTION 83/60,61 Indications: Premed. to anaesthesia, antidote to organophosphorus poisoning, antispasmodic. –B, E, O, Can, F, 30 (30)ml Dosage: Atropine 10: B, E: 2-4ml; O:0,5-1,0ml. Atropine 0,5: Can: 0,25-2ml. F: Up to 1ml. C/I: Use with caution with tachycardia and cardiac surgery. Cases with glaucoma. S/E: Pupil dilation, tachycardia, arrhythmias, occasional vomiting and staggering. See also IDR page 269
	BUSCOPAN COMPOSITUM, Boehringer Hyoscine-n-butylbromide 4mg, dipyrone 500mg/ml. (S4) INJECTION 83/332 Indications: Spasm of GI tract, colic, oesophageal obstruction, gastro-enteritis with diarrhoea, spasms of urogenital tract. –B, E, P, Can, F, 100ml Dosage: E: 20-30ml iv. B: 20-30ml im/iv. Calves: 5-10ml im. P: 5-10ml im. Piglets: 1-2ml im. Can: 1-2,5ml sc/iv. F: 0,5-1ml sc/iv. W/T: Meat 12 days. Milk 12 days. See also IDR page 111
7.4.1	Proton pump inhibitors
	OMEPRACOTE, Kyron AH Omeprazole 37% w/w. (S4) ORAL PASTE 06/8.4.3/02 Indications: For the treatment and prevention of recurrence of gastric ulcers in horses and foals 4 weeks of age and older. Max. acid suppression occurs after 3-5 days of treatment. –E, 7 syringes Dosage: Treatment of ulcers: Admin. 4mg/kg bm orally 1 x daily for 28 consecutive days. The contents of 1 syringe will treat a 570kg horse. Prevention of ulcer recurrence: Admin. 2mg/kg bm orally 1 x daily for a further 28 days. The contents of 1 syringe will treat a 570kg horse for 2 consecutive days. W/T: Do not use in horses intended for human consumption. C/I: Do not use in pregnant or lactating mares. P/I: The safety of omeprazole in horses has not been established for treatment periods longer than 91 days. See also IDR page 451

7.5.	Antidiarrhoeals
7.5.1.	Plain
7.5.2.	With antimicrobial agents
7.5.3.	Antimicrobial agents
7.5.4.	Biologicals

BIOGLOBIN, Biorem
Immunoglobulin 220mg/g.
LIQUID, CAPSULES G2151
Indications: Produces passive immunity in new-born lambs, piglets, kids and calves. –B, O, Cap, P, 100ml
Dosage: Admin. reconstituted solution hourly for first 6 hours after birth if no other colostrum has been received. Piglets: 5ml/3 caps. Lambs, kids: 20ml/ 10 caps. Calves: 60ml/30 caps.
P/I: Liquid: Keep refrigerated at 4°C after mixing. Use within 24 hours of mixing.

BIOREM, Biorem
Dried lactobacilli 13 million/g.
POWDER G958
Indications: Non-specific and nutritional diarrhoea caused by *E. coli*, and for replacement therapy after antibiotic treatment. –B, O, (100) 500g (2kg)
Dosage: Calves: 4g. Lambs: 1g.

BIOSIN, Biorem
Lactobacilli 10 million/ml.
LIQUID G1114
Indications: Non-specific and stress-induced diarrhoea in calves, lambs and kids. Replacement therapy after antibiotic treatment. –B, O, Cap, 1 (5)l
Dosage: Calves: 40ml. Lambs, kids: 10ml.

CANIGEST, Afrivet
Rapeseed oil, kaolin, fructose-oligosaccharides, manna oligosaccharides, pectin, glutamine, roast meat flavouring, *Enterococcus faecium*.
ORAL PASTE V21870
Indications: A complementary feeding stuff for dogs and cats combining a probiotic, prebiotics, glutamine, kaolin and pectin. It is particularly suitable for feeding to dogs to assist in the nutritional management of digestive upsets. –Can, F 1 x 30ml syringe
Dosage: Feed directly into the mouth or added to the feed for up to 5 days. Puppies and cats: Feed 1-2ml, 2-3 x per day. Adult dogs: Feed 2-5ml, 2-3 x per day.
See also IDR page 7

INTESTIPET, Medpet
Prebiotics, probiotics.
POWDER V21335

Indications: Supports beneficial intestinal bacteria. –Can, F, 500g

Dosage: Admin. 10g/2,25kg bm to pet's food. Allow to adhere to food. Moisten dry food with water or edible oil before mixing powder in. Routine: Admin. once a week. During antibiotic treatment: Admin. daily. During GI disease: Admin. daily whilst symptoms persist plus 2 days.

INTESTUM, Medpet
1 x 10⁷ CFU of dried fermentation products of the avian strain of *Lacobacillus case*, *L. ferment*, *L. plantarum*, *L.acidophilus* and *Streptococcus faecium*; pure Beta 1-3 glucan 100mg; inulin 400gm; calcium 10,0g; DL methionine 0,5gm; magnesium 0,4mg.
POWDER V20494
Indications: Supports beneficial intestinal bacteria; intestinal immunostimulant as an aid in the prevention of intestinal diseases. –Avians. 500g
Dosage: Admin. 10g to 1kg food. Routine treatment: 3 x per week. During antibiotic treatment: admin. over food; during GI disease: Admin. daily while symptoms persist; use for 2 additional days; prepare new mixture daily.
P/I: Not recommended with tetracycline antibiotics.

PRO-LYTE WITH GLUTAMINE, Kyron Labs
Potassium chloride 0,15%, sodium chloride 0,2%, sodium citrate 0,25%, glucose 2,7%, glutamine 0,4%. Protexin® probiotic 1.2 x 10⁷ CFU/ml when diluted with 50 ml water.
POWDER V23194
Indications: Fluid, electrolyte and probiotic replacement following diarrhoea. 20 (80g)
Dosage: Mix 1 sachet (20g) with 500ml water (or 1 x 80g sachets with 2L water) and give to animals as only source of fluid while under treatment. Discard after one day and prepare a fresh mixture.
See also IDR page 403

PROTEXIN® CONCENTRATE, Kyron Labs
Lactobacillus plantarum PXN® 47™, *Lactobacillus delbrueckii* ssp. *bulgaricus* PXN® 39™, *Lactobacillus helveticus* PXN® 35™, *Lactobacillus rhamnosus* PXN 54™, *Bifidobacterium bifidum* PXN® 23™, *Streptococcus salivarius* ssp. *thermophilus* PXN® 66™, *Enterococcus faecium* PXN® 33™, dextrose monohydrate 97%, microbial content 3%.
POWDER V29924
Indications: A multi-strain concentrate to manage effects of stress on the gut. Post-antibiotic use to normalise gut flora or to

supplement the sterile gut when hand-rearing animals. –B, O, Cap, P, Poultry.
1kg
Dosage: Admin. in feed or water.
See literature for exact dosage.
See also IDR page 403

PROTEXIN® PREMIUM, Kyron Labs
Enzymes: xylanase, beta glucanase. Yeast: *Candida pintolopesii*, *Saccharomyces cer.* Micro-organisms: *Lactobacillus plantarum*, *L. delbrueckii subsp. bulgaricus*, *L. helveticus*, *L. rhamnosus*, *Bifidobacterium bifidum*, *Streptococcus salvarius subsp. thermophilus*, *Enterococcus faecium*. Total viable count not <2 x 10⁸ CFU/g.
POWDER G2634
Indications: Treatment of diarrhoea; improves starch and fibre digestion; overall good health. –E.
300g(1kg)
Dosage: Horses: 10g/day. Foals, ponies: 3g/day. In stress situations: 20g/day.
See literature.
See also IDR page 403

PROTEXIN® PRO-KOLIN, Kyron Labs
Enterococcus faecium NCIMB 10415 EC No 13, 2 x 10¹¹ CFU per kg, soya oil, kaolin, pectin, Preplex® (prebiotic), artificial beef flavouring.
PASTE G2879
Indications: To restore and maintain the balance of micro-organisms in the intestinal tract, to combat bacterial overgrowth and episodes of diarrhoea caused by a transient imbalance of the gut flora. –Can, F.
15ml, 30ml
Dosage: Cats and puppies: 1-2ml, 2-3 x daily; Adult dogs: 2-5ml, 2-3 x a day. Can be given orally for as long as considered necessary or as directed by the veterinarian.
See also IDR page 404

PROTEXIN® SOLUBLE, Kyron Labs
Live heat and acid-resist. organisms: Bacteria: *Lactobacillus plantarum*, *L. delbrueckii subsp. bulgaricus*, *L. helveticus*, *L. rhamnosus*, *Bifidobacterium bifidum*, *Streptococcus salvarius subsp. thermophilus*, *Enterococcus faecium*. Total viable count not <2 x 10⁸ CFU/g.
POWDER G1265
Indications: Scours (non-specific/dietary origin). Restores gut microflora. –All species.
60 (250;500)g (1kg)
Dosage: Calves: 2g/day for 3 days, 1g/day thereafter. Weaned calves, adult cattle: 4g/day. Lambs: 1g/day. Foals, ponies: 5g/day. Adult horses: 10g/day. Piglets, weaners: 2g/day for 5 days. Chicks, broilers: 5g/L/day. Older birds: 10g/L/day. Can, F: 2g/animal/day.
See also IDR page 404

7.6. Analgesics

FINADYNE®, Intervet SA (MSD Animal Health)
Flunixin 50mg/ml. Antioxidants: edetate disodium 0,01%, sodium formaldehyde sulphonylate 0,25% m/v. Preservative: phenol 0,5% m/v.
INJECTION C83/2.6/63
Indications: Treatment of acute inflammation, musculoskeletal inflammatory conditions. Pain: Alleviated pain associated with colic in horses. Fever: Controls fever in the treatment of respiratory disease in pigs. Sepsis and endotoxaemia. Acute coliform mastitis. Prophylaxis: Acute bovine pulmonary emphysema and oedema (ABPE). Used prior to ophthalmic surgery to prevent inflammatory response. –B, E, Cap, P.
50ml, 250ml
Dosage: E: Musculoskeletal disorders: 1,1mg/kg bm 1x daily iv or im for up to 5 days. Equine colic: 1,1mg/kg bm by slow iv. 1 or 2 additional treatments may be required. B: Use in bovine acute inflammatory conditions associated with respiratory disease, the recommended dosage is 2ml/45kg live mass for 3 consecutive days in combination with antibiotic therapy or with rehydration therapy, as appropriate. Repeat as necessary at 24-hour intervals for no more than 5 consecutive days. P: Admin. 2,2mg/kg bm as a single im injection 1 x daily for 3 consecutive days in conjunction with antimicrobial treatment. Admin. 1 or 2 injections separately in a 12-hour interval. Limit injection volume to a max of 5ml/site. Can: 0,5 to 1mg/kg bm im or iv as a single dose or daily for not more than 3 days. See literature.
W/T: B: Meat 5 days. Milk 36 hours. A withdrawal period has not been established for Finadyne® in pre-ruminating calves. Do not use in calves to be processed for veal. P: 28 days.
C/I: Avoid intra-arterial injection. Do not treat foals younger than 72 hours.
P/I: Rehydrate animals before admin. NSAIDs as renal papillary necrosis may occur in the dehydrated state. The effect in pregnant horses is unknown.
See also IDR page 525

7.7. Ruminal agents

7.7.1. Ruminotorics

RUMIX, Oberon Pharma (Virbac)
Sodium propionate 15% m/m, molasses products 47,5% m/m.
POWDER G0528
Indications: Indigestion, ruminal disturbance. –B, Cap, O.
4 x 100g

Dosage: B: Still eating: 100g 2-4 days in food. Not eating: 200g in 1L water twice daily for 2 days. Sheep/calves: 25g twice daily for 4 days.
See also IDR page 756

7.7.2. Anti-bloat remedies

BLOAT GUARD, Phibro
Oxypropylene polymer (Poloxalene) 53%.
FEED TOP-DRESSING G1027
Indications: Protection from frothy bloat for up to 12 hours after admin. –B.
10kg
Dosage: Use 30g/400-600kg bm. Feed as a top-dressing on individual rations or mix the required amount into the feed for larger numbers of animals. See literature.
See also IDR page 669

DOCUSOL, Kyron Labs
Each 100ml Docusol contains 5g docusate sodium.
LIQUID G1790
Indications: All animals: Constipation. B, O: Bloat. E: Colic, impaction. –All animals.
500ml
Dosage: Constipation: 1:5 parts water as enema. Colic, impaction: E: 150-250ml: 5L water orally/as enema.
See also IDR page 398

8. HEPATICS

8.1. Cholagogues and cholerectics

DIGESTABLE® L™, Bupo
Herbal extracts 15g, choline chloride 15g, purified water q.s. 100ml.
LIQUID V25592
Description: A hepato-protector water soluble solution. It stimulates bile secretion and helps eliminate fat due to its cholerectic and lipotropic properties –Poultry.
100ml, 250ml, 1L, 5L, 20L
Dosage: Mix with drinking water. Admin. orally. Broilers: 1-2ml/1L clean. Layer replacement pullets and breeders: 1,5-3ml/1L. Commercial layers: 1-2ml/1L. Swine: 1-2ml/1L.
See also IDR page 171

DIGESTABLE®-S, Bupo
Choline chloride 30g, sodium butyrate 30g, excipients q.s. 100g.
PREMIX V31454
Indications: A hepato-protector for swine is a propriety liver modulator, liver protector and a natural growth promotor that was developed to optimize the animal's economic performance. –P.

1kg and 20kg
Dosage: Swine: Piglets: 150g/ton of feed. Farrowing and lactating sows: 150g/ton of feed.
See also IDR page 172

8.2. Liver protectants and lipotropics

TIOCTAN VET, Elanco AH
Thioctic acid 0,5% m/v.
(S1) INJECTION 83/786
Indications: Liver detoxifier, acute and chronic hepatitis, jaundice, metabolic improvement, poisoning. –All animals.
100ml
Dosage: Daily for 3 days. B, E: 7ml/100kg bm. Cap, O, P: 7ml/25kg bm. Can, F: 2ml/5kg bm. im/sc.
See also IDR page 347

9. URINARY TRACT

9.1. Diuretics

SALIX®, Intervet SA (MSD Animal Health)
Furosemide 50mg/ml.
(S3) INJECTION 83/311
Indications: Abnormal water/salt retention due to disorders of renal glomerular/tubular regulatory activity. Oedematous conditions. –B, E, Can, F.
10ml
Dosage: B: 5-10ml iv/im every 12-24 hrs. E: 5-10ml iv/im every 6-8 hrs. Can, F: 0,25-0,5ml/5kg bm iv/im every 6-8 hrs. Reduce drinking water during treatment.
C/I: Liver lesions, renal failure, acute glomerular nephritis, hypersensitivity.
W/T: Meat 1 day. Milk 1 day.
See also IDR page 642

9.2. Urolitholytics and antispasmodics

BUSCOPAN COMPOSITUM, Boehringer
Hyoscine-n-butylbromide 4mg, dipyrone 500mg/ml.
(S4) INJECTION 83/332
Indications: Spasm of GI tract, colic, oesophageal obstruction, gastro-enteritis with diarrhoea, spasms of urogenital tract. –B, E, P, Can, F.
100ml
Dosage: E: 20-30ml iv. B: 20-30ml im/iv. Calves: 5-10ml im. P: 5-10ml im. Piglets: 1-2ml im. Can: 1-2,5ml sc/iv. F: 0,5-1ml sc/iv.
W/T: Meat 12 days. Milk 12 days.
See also IDR page 111

9.3. Urinary acidifiers

10. REPRODUCTIVE SYSTEM

10.1. Vaginal and intra-uterine preparations

ECO AFTERBIRTH PESSARIES, ECO (Afrivet)
Oxytetracycline 375mg, sulphadimidine 125mg, sulphadiazine 125mg, sulphathiozole 125mg, cetrimide 10mg/pessary.
PESSARY G3115
Indications: Treatment of bacterial infections of the vagina and uterus following difficult birth and/or retained afterbirth. –E, B, O, Cap, P.
1 x 6, 1 x 10
Dosage: Admin. daily for 3 days. O, Cap: ½ pessary. Sows: 1 pessary. Cows, mares: 2 pessaries.
W/T: Meat 7 days.
See also IDR page 17

OBERMYCIN FOAMING PESSARIES, Oberon Pharma (Virbac)
Oxytetracycline hydrochloride 2250mg/25g pessary.
PESSARIES G0669
Indications: Bacterial infections of the vagina and uterus following parturition and/or retained placenta. –B, O, Cap, P.
10 x 25g
Dosage: Sows and ewes: 1 pessary as single dose. Cows: 1-2 pessaries as single dose.
W/T: Meat 7 days.
See also IDR page 741

10.2. Sex hormones

10.2.1. Testosterone

10.2.2. Oestrogens

INCURIN® TABLETS, Intervet SA (MSD Animal Health)
Oestriol 1mg/tablet.
(S4) TABLETS C98/11.2.2/10
Indications: Treatment of hormone-dependent urinary incontinence due to sphincter mechanism incompetence in ovariohysterectomised bitches. –Can.
30 tablets
Dosage: 1 tablet daily. If treatment is successful lower dose to ½ a tablet per day. If treatment is not successful, increase dose to 2 tablets daily.
C/I: Intact bitches, pregnancy, animals with diabetes, animals showing a polyuria-polydipsia syndrome and dogs younger than 1 year.
See also IDR page 534

10.2.3. Progesterones and progestagens

CIDR B, Zoetis
Progesterone 1,9g.
INTRA-VAGINAL DEVICE G1916
Indications: For controlled breeding and oestrus cycle control in yearling heifers and adult cows. Treatment of post-partum anoestrus in lactating dairy cows. Shortens the interval from 1st insemination to conception in lactating dairy cows. –B.
10 devices
Dosage: See literature for full instructions for use.
See also IDR page 795
CIDR G, Zoetis
Progesterone 0,3g.
INTRA-VAGINAL DEVICE G1915
Indications: For controlled breeding. Oestrus synchronisation during breeding season, ovulation control for AI, embryo collection and transfer programmes, advancement of breeding season, out of season breeding. –O, Cap.
20 devices
Dosage: See literature.
W/T: Meat 24 hours.
P/I: Animals in poor condition.
See also IDR page 796

OVAKRON, AniPharm
Flugestone acetate 40mg.
(S4) TAMPON C88/20.4/0006
Indications: Synchronisation of oestrus and ovulation in ewes. –Cap.
Tampon
Dosage: 1 tampon/ewe, to be inserted intravaginally, using applicator.
S/E: Mild vaginitis may occur.

PRID DELTA, Ceva AH
Progesterone 1,55g.
INTRA-VAGINAL DEVICE G4037
Indications: For the controlled breeding of cows and heifers, including synchronisation of oestrus in cycling cows and heifers, and induction and synchronisation of oestrus in non-cycling cows. –B.
10, 25, 50 sachets of 1 device
Dosage: 1 device/animal intra-vaginally for 7 days. See literature.
W/T: Meat and milk 0 days.
C/I: Do not use in pregnant animals or sexually-immature heifers. Do not use in animals suffering from diseases of the urogenital tract.
See also IDR page 230
REGUMATE® PORCINE, Intervet SA (MSD Animal Health)
Altrenogest 0,4% m/v in an oily suspension.
SUSPENSION G1533

Indications: For the synchronisation of oestrus in sexually mature gilts intended for breeding. –P. 540ml, 1L.

Dosage: Gilts: 5ml/day per day for 18 consecutive days, given orally with feed for immediate consumption. Group feeding on the floor: Feed should be presented such that each pig is allowed sufficient floor space to get equal access to the feed. Once the animals have started feeding, dispense 1 dose as a top-dressing on the feed in front of each pig.

W/T: Meat 9 days.

C/I: Do not admin. to male animals, pregnant sows, or those with uterine infections. Avoid contact between the product and women of childbearing age.

P/I: Store away from food and feed. Dangerous to fish and other aquatic organisms.

See also IDR page 632

10.2.4. Combinations

10.3. Prostaglandins

ENZAPROS®, Ceva AH
Dinoprost (as trometamol) 5mg/ml.
INJECTABLE SOLUTION C14/11.3/10
Indications: To schedule the time of oestrus and ovulation in oestrus cycling cattle; treatment of sub-oestrus or silent heat in cattle; treatment of chronic metritis and pyometra; for controlled breeding; induction of abortion; induction of parturition. –B, P. 5ml, 10ml, 30ml, 50ml
Dosage: B: 5ml im/animal. Repeat in 10-12 days. P: 2ml/im/animal. See literature for detailed info.
W/T: Meat 24 hours.
C/I: Do not admin. to pregnant animals unless parturition or abortion is desired. Do not admin. iv.
P/I: Pregnant women, women of child-bearing age, asthmatics or persons with bronchial and other respiratory problems should not admin. this product.

See also IDR page 210

ESTRUMATE, Intervet SA (MSD Animal Health)
Cloprostenol 250µg/ml.
(S4) INJECTION 83/887
Indications: B: Sub-oestrus, chronic endometritis, pregnancy termination, induction of parturition, mummified foetus, ovarian luteal cysts, controlled breeding. P: Induces farrowing. –B, P. (250ml), 1 x 20ml
Dosage: B: 2,0ml im. P: 0,7ml im. See literature.
W/T: Meat 24 hrs. Milk 8 hrs.
C/I: Pregnancy, unless unwanted/mummified/ induction.
P/I: Should not be handled by women of childbearing age or asthmatics.

See also IDR page 519

LUTALYSE, Zoetis
Dinoprost 5mg/ml.
(S4) INJECTION 83/742
Indications: B: Oestrus synchronisation, sub-oestrus, treatment of chronic metritis and pyometra, induction of abortion and parturition, controlled breeding. E: Oestrus synchronisation, sub-oestrus induce abortion. P: Induce parturition. –B, E, P. 30ml, 100ml
Dosage: B: 5ml im. E: 1ml im. P: 2ml im. **W/T:** Meat 24 hours.
C/I: Pregnancy unless induction of parturition/ abortion is desired. Do not give iv.
S/E: B: Limited salivation. E: Decreased rectal temperature, sweating. P: Increased body temperature, increased respiratory rate, increased salivation, stimulation of defecation and urination, flushing of the skin, restlessness.
P/I: Do not allow pregnant women, asthmatics or persons with bronchial and other respiratory problems to admin.

See also IDR page 844

10.4. Trophic hormones

CHORULON 1 500 IU, Intervet SA (MSD Animal Health)
Chorionic gonadotrophin 1 500iu/vial.
(S4) INJECTION 83/773
Indications: Female: Anoestrus, suboestrus, lactation failure, prolonged oestrus, nymphomania, early abortion, induction of ovulation. Male: Incr. production of testosterone. –B, E, Can.
5 x vials + 5 x 5ml solvent
Dosage: Animal, indication dependent. See literature.
S/E: Anaphylactic reaction may occur.

See also IDR page 491

CHRONO-GEST® PMSG 6 000 IU, Intervet SA (MSD Animal Health)
Gonadotrophin 6 000iu.
(S4) INJECTION 83/886
Indications: Induction and synchronisation of oestrus and ovulation in ewes and goats after removal of Chronogest sponges. –Cap, O. 5 x 6 000iu + 5 x 5ml solvent
Dosage: 150-700iu PMSG im. See literature.
S/E: Anaphylactic reactions.

See also IDR page 492

FOLLIGON, Intervet SA (MSD Animal Health)
Serum gonadotrophin 1 000iu/vial.
(S4) INJECTION 83/777
Indications: Cow: Anoestrus, superovulation, increase in fertility rate after oestrus synchronisation therapy. Bitch: Anoestrus. O, Cap: Increase in fertility rate after oestrus synchronisation therapy. Rabbits: Anoestrus, superovulation. Male animals: Impaired spermatogenesis. –B, O, Cap, Can, Rabbit. 5 x 1 000iu + solvent

Dosage: Animal, indication dependent. See literature.
S/E: Anaphylactic type reactions may occur.

See also IDR page 528

10.5. Myometrial stimulants

FENTOCIN, Virbac
Oxytocin synthetic 10iu/ml.
(S4) INJECTION 92/20.3/2
Indications: Puerperal disorders, uterine inertia, agalactias to promote milk let down. –All animals.
50ml
Dosage: B: 3-4ml im or 1-2ml iv. E: 1-2ml im or up to 1ml iv. P: 2-3ml im or 0,5-1,5ml iv. Cap, O: 1-2ml im or 0,3-0,5ml iv. Can: 0,5-1ml im or 0,2-0,5ml iv. F: 0,3-0,5ml im. Treatment of uterine inertia: Use lower end of dose range.
S/E: High doses given iv may cause vasodilation, hypotension, reflex tachycardia.
C/I: Incomplete dilation of cervix, absolute or relative oversized foetus, malpresentat. of foetus.
P/I: Overdosage may delay parturition due to uterine spasms. In prepartum usage, full relaxation of cervix should have been accomplished.

See also IDR page 717

INTERTOCIN-S, Intervet SA (MSD Animal Health)
Oxytocin 10iu/ml.
(S4) INJECTION 83/796
Indications: Normal parturition and postpartum evacuation of uterine debris. –E, B, O, Cap, P, Can, F. 50ml
Dosage: Admin. im/sc. E: 0,5-5ml. B: 1-5ml. O, Cap, P: 0,5-3ml. Can: 0,2-1ml. F: 0,1-0,5ml.
P/I: Cervix should be fully dilated.

See also IDR page 541

10.6. Myometrial relaxants

10.7. Ovulation-controlling agents

ACEGON® 50UG/ML Zoetis
Gonadorelin acetate 50µg/ml.
(S4) SOLUTION FOR INJECTION FOR CATTLE 15/11.7/08
Indications: The treatment of follicular cysts in breeding cows and heifers, with or without signs of nymphomania, as part of the Repeat Breeding Syndrome (RBS). Regularisation of the oestrous cycle, i.e., prevention of delayed ovulation by injecting Acegon® on the day of artificial insemination and prevention of cystic ovaries by injection of Acegon® early post-partum. –B. 6, 20, 50 or 100ml vials
Dosage: Admin. 2ml im/cow. See literature.
W/T: Meat and offal 0 days. Milk 0 hours.

C/I: Do not use in pregnant cows or heifers. Do not use in animals with known hypersensitivity to gonadorelin and to any excipient.

See also IDR page 780

CHORULON 1 500IU, Intervet SA (MSD Animal Health)
Chorionic gonadotrophin 1 500iu/vial.
(S4) INJECTION 83/773
Indications: Female: Anoestrus, suboestrus, lactation failure, prolonged oestrus, nymphomania, early abortion, induction of ovulation. Male: Incr. production of testosterone. –B, E, Can. 5 x vials + 5 x 5ml solvent
Dosage: Animal, indication dependent. See literature.
S/E: Anaphylactic reaction may occur.

See also IDR page 491

CIDR B, Zoetis
Progesterone 1,9g.
INTRA-VAGINAL DEVICE G1916
Indications: For controlled breeding and oestrus cycle control in yearling heifers and adult cows. Treatment of post-partum anoestrus in lactating dairy cows. Shortens the interval from 1st insemination to conception in lactating dairy cows. –B. 10 devices
Dosage: See literature for full instructions for use.

See also IDR page 795

CIDR G, Zoetis
Progesterone 0,3g.
INTRA-VAGINAL DEVICE G1915
Indications: For controlled breeding. Oestrus synchronisation during breeding season, ovulation control for AI, embryo collection and transfer programmes, advancement of breeding season, out of season breeding. –O, Cap. 20 devices
Dosage: See literature.
W/T: Meat 24 hours.
P/I: Animals in poor condition.

See also IDR page 796

CYSTORELIN®, Ceva AH
Gonadorelin 50µg/ml.
(S4) INJECTABLE SOLUTION C10/11.7/10
Indications: For the treatment of follicular cysts in breeding cows and heifers, with or without signs of nymphomania, as part of the repeat breeding syndrome (RBS). Regularisation of the oestrus cycle. –B. 4ml, 10ml, 20ml, 50ml
Dosage: Admin. 2ml im or iv/cow. See literature.
W/T: Meat, offal, milk 0 days.

See also IDR page 208

ESTRUMATE, Intervet SA (MSD Animal Health)
Cloprostenol 250µg/ml.
(S4) INJECTION 83/887

Indications: B: Sub-oestrus, chronic endometritis, pregnancy termination, induction of parturition, mummified foetus, ovarian luteal cysts, controlled breeding. P: Induces farrowing. –B, P. (250ml), 1 x 20ml
Dosage: B: 2,0ml im. P: 0,7ml im.
W/T: Meat 24 hrs. Milk 8 hrs.
C/I: Pregnancy, unless unwanted/mummified/ induction.
P/I: Should not be handled by women of childbearing age or asthmatics.

See also IDR page 519

FERTAGYL SOLUTION, Intervet SA (MSD Animal Health)
Gonadorelin 0,1mg/ml.
(S4) INJECTION 83/799
Indications: B: Prevention of delayed ovulation, improvement of fertility. Rabbits: Ovulation induction. –B, Rabbits. 10 x 5ml
Dosage: B: Cystic ovaries: 5ml im. Other indications: 2,5ml im. Rabbits: 0,2ml im 2 days after delivery.
C/I: Pregnancy.

See also IDR page 525

FOLLIGON, Intervet SA (MSD Animal Health)
Serum gonadotrophin 1 000iu/vial (PMSG).
(S4) INJECTION 83/777
Indications: Cow: Anoestrus, superovulation, increase in fertility rate after oestrus synchronisation therapy. Bitch: Anoestrus. O, Cap: Increase in fertility rate after oestrus synchronisation therapy. Rabbits: Anoestrus, superovulation. Male animals: Impaired spermatogenesis. –B, O, Cap, Can, Rabbit. 5 x 1 000iu + solvent
Dosage: Animal, indication dependent. See literature.
S/E: Anaphylactic type reactions may occur.

See also IDR page 528

LUTALYSE, Zoetis
Dinoprost 5mg/ml.
(S4) INJECTION 83/742
Indications: B: Oestrus synchronisation, sub-oestrus, treatment of chronic metritis and pyometra, induction of abortion and parturition, controlled breeding. E: Oestrus synchronisation, sub-oestrus induce abortion. P: Induce parturition. –B, E, P. 30, 100ml
Dosage: B: 5ml im. E: 1ml im. P: 2ml im.
W/T: Meat 24 hours.
C/I: Pregnancy unless induction of parturition/ abortion is desired. Do not give iv.
S/E: B: Limited salivation. E: Decreased rectal temperature, sweating. P: Increased body temperature, increased respiratory rate, increased salivation, stimulation of defecation and urination, flushing of the skin, restlessness.

P/I: Do not allow pregnant women, asthmatics or persons with bronchial and other respiratory problems to admin.

See also IDR page 844

OVAKRON, AniPharm
Flugestone acetate 40mg.
(S4) TAMPON C88/20.4/0006
Indications: Synchronisation of oestrus and ovulation in ewes. –Cap. Tampon
Dosage: 1 tampon/ewe, to be inserted intravaginally, using applicator.
S/E: Mild vaginitis may occur.

PRID DELTA, Ceva AH
Progesterone 1,55g.
INTRA-VAGINAL DEVICE G4037
Indications: For the controlled breeding of cows and heifers, including synchronisation of oestrus in cycling cows and heifers, and induction and synchronisation of oestrus in non-cycling cows. –B. 10, 25, 50 sachets of 1 device
Dosage: 1 device/animal intra-vaginally for 7 days. See literature.
W/T: Meat and milk 0 days.
C/I: Do not use in pregnant animals or sexually-immature heifers. Do not use in animals suffering from diseases of the urogenital tract.

See also IDR page 230

RECEPTAL® INJECTION, Intervet SA (MSD Animal Health)
Buserelin 0,004mg/ml.
(S4) INJECTION 83/313
Indications: FSH-LH/RH, treats follicular and luteal cysts, improves conception rates with AI, delayed ovulation, treats anoestrus. –B, E, Rabbits. 10ml
Dosage: E: 10ml im. B: 2,5-5ml im. Rabbits: 0,2ml im. For dosage interval – see IDR or package insert.
W/T: Meat 7 days.
P/I: Store below 25°C.

See also IDR page 631

REGUMATE® PORCINE, Intervet SA (MSD Animal Health)
Altrenogest 0,4% m/v in an oily suspension.
SUSPENSION G1533
Indications: For the synchronisation of oestrus in sexually mature gilts intended for breeding. –P. 540ml, 1L.
Dosage: Gilts: 5ml/day per day for 18 consecutive days, given orally with feed for immediate consumption. Group feeding on the floor: Feed should be presented such that each pig is allowed sufficient floor space to get equal access to the feed. Once the animals have started feeding, dispense 1 dose as a top-dressing on the feed in front of each pig.
W/T: Meat 9 days.

C/I: Do not admin. to male animals, pregnant sows, or those with uterine infections. Avoid contact between the product and women of childbearing age.
P/I: Store away from food and feed. Dangerous to fish and other aquatic organisms.
See also IDR page 632

11. ENDOCRINE SYSTEM

11.1. Corticosteroids

★ **DEPO-MEDROL, Zoetis**
Methylprednisolone acetate 40mg/ml.
(S4) STERILE AQUEOUS SOLUTION 83/755
Indications: Musculoskeletal and allergic conditions. Infections with severe endotoxemia. – E, Can, F.
5ml
Dosage: Im. Horses: The usual im dose for horses is 200mg, repeat as necessary. Dogs and cats: The average dose for dogs is 20mg. The average dose for cats is 10mg.
P/I: Store below 25°C.
See also IDR page 814

DEXAFORT INJECTABLE AQUEOUS SUSPENSION, Intervet SA (MSD Animal Health)
Dexamethasone 3mg/ml.
(S4) AQUEOUS SUSPENSION 83/783
Indications: Anti-inflammatory, anti-allergenic, gluconeogenic, induction of parturition. –B, E, Can, F.
50ml
Dosage: B, E: 0,06mg/kg (0,02ml/kg). Can, F: 0,15mg/kg (0,05ml/kg). Dose may be repeated after 7 days.
C/I: As for corticosteroids. Last trimester of pregnancy.
W/T: B: Meat 48 days. Milk 6 days.
See also IDR page 510

KORTICO, Elanco AH
Dexamethasone 2mg/ml.
(S4) INJECTION 83/107
Indications: Shock, inflammatory conditions, bovine ketosis, acute mastitis, metritis. –B, E, Can, F.
50ml
Dosage: Inject iv or im. B: 2,5-12,5ml. E: 1,25-10ml. Can: 0,125-1ml. F: 0,125-0,5ml daily in divided doses for up to 5 days.
W/T: Meat 7 days. Milk 2 days.
S/E: As for corticosteroids.
C/I: Gastric, duodenal, colonic ulcers. Late pregnancy, diabetes, renal insufficiency, heart failure, osteoporosis, chronic infection, laminitis in horses.
P/I: If bacterial infection present, antibiotic essential.
See also IDR page 315

11.2. Growth hormones

★ **BOOSTIN, Intervet SA (MSD Animal Health)**
Bovine somatotropin. Each 2ml cartridge contains 500mg recombinant.
INJECTION G2320
Indications: Boostin is an injectable long-acting bovine somatotropin used to increase milk production in well-nourished and properly managed dairy cows from the time of peak lactation to drying off. Increases the efficiency of milk production in lactating dairy cows by increasing the quantity of milk produced without altering the normal composition of milk. –B.
25 x 2ml cartridges
Dosage: Admin. the contents of 1 full cartridge sc every 14 days. Warm cartridges by hand immediately before injection.
W/T: Do not admin. to dairy cows earlier than 60 days after calving. Do not admin. to cows during the first lactation.
See also IDR page 474

11.3. Anabolic steroids

11.4. Insulins

CANINSULIN®, Intervet SA (MSD Animal Health)
Porcine zinc insulin 40iu/ml.
(S3) SUSPENSION FOR INJECTION 97/22.1/13
Indications: For the long-term management of diabetes mellitus. –Can, F.
2,5ml, 10ml
Dosage: Shake thoroughly. Admin. sc with the 1st half of the daily feed ration and the 2nd meal given about 7½ hours later. Each meal should be fed at the same time each day. Can: 0,5iu/kg bm 1 x daily. F: 1iu 2 x daily with initial blood-glucose concentration lower than 20mmol/L. 2iu 2 x daily with initial blood-glucose concentration higher than 20mmol/L. See literature.
C/I: Do not admin. to animals with severe acute diabetes presenting in a ketoacidotic state. The use of progestagens (oestrus inhibitors) and glucocorticoids in animals suffering from diabetes mellitus is contraindicated. Do not admin. iv.
P/I: Admin. with specific U-40 sterile single-use syringes. Hypoglycaemia due to excessive dosage of insulin.
See also IDR page 488

11.5. Thyroid preparations

LEVENTA® 1 MG/ML ORAL SOLUTION FOR DOGS, Intervet SA (MSD Animal Health)
Levothyroxine sodium 1mg/ml –equiv. to 0,97mg levothyroxine.
ORAL SOLUTION C11/12,2/11

Indications: Treatment of hypothyroidism. –Can.
1 x 30ml, 6 x 30ml, 12 x 30ml
Dosage: 0,2ml/10kg bm orally 1 x daily. See literature.
C/I: Do not use in dogs with hyperthyroidism or uncorrected adrenal insufficiency. Use with caution in dogs with cardiac disease, diabetes mellitus or treated adrenal insufficiency.
P/I: Monitor pregnant bitches receiving treatment on a regular basis from conception until several weeks after delivery. Concomitant admin. of antacids may impair absorption.
See also IDR page 544

VIDALTA®, Intervet SA (MSD Animal Health)
Carbimazole 10mg; Carbimazole 15mg.
(S3) TABLETS 17/12,2/13; 17/12,2/14
Indications: Treatment of hyperthyroidism and hyperthyroidism-associated clinical signs. –F.
30, 100 tablets
Dosage: Admin. at the same time every day, in particular with relation to feeding. Admin. 1 x daily. Start with the lowest dose (10/15mg). If the cat needs more, increase the dose about 5mg (20mg = 2 x 10mg). If this is still not sufficient, increase the dose again with about 5mg (25mg = 15mg + 10mg). Dose increases should not be made in increments of greater than 5mg. Some cats require doses of less than 10mg/day. Every other day dosing with 10mg or 15mg may be sufficient to control the disease. Follow-up visits every 3-6 months are recommended.
S/E: Vomiting, diarrhoea, decreased appetite, loss of condition, lethargy, tachycardia, polydipsia, dehydration, polyuria and dermatological signs. These clinical signs are usually mild and do not require treatment discontinuation.
C/I: Do not use in pregnant or lactating queens. Do not use in cats suffering from concurrent systemic diseases, in cats showing signs of auto-immune diseases and/or altered red or white blood cell counts, in cats with platelet disorders, in cats with hypersensitivity to mercaptoimidazoles.
See also IDR page 658

12. DERMATOLOGICALS

12.1. Disinfectants and cleaning agents

PYOSTAT NF, Intervet SA (MSD Animal Health)
Quaternary ammonium compound blend 65,0g/L, polyquaternylguanidine 50,0g/L.
MEDICATED SHAMPOO G4097
Indications: An aid in the management of skin disorders associated with bacterial and fungal infections (e.g. *Staphylococcus aureus*,

Streptococcus, *Pseudomonas aeruginosa*, *E. coli* and *Malassezia pachydermatis*). –Can, F.
200ml
Directions for use: Shake well before use. Wet coat of the animal thoroughly with warm water. Apply sufficient shampoo to form a rich lather. Rinse. Reapply immediately and massage into the coat. Leave on 5-10 minutes. Rinse thoroughly with clean water. Use 2-3 times a week.
See also IDR page 627

SEBBAROX, Kyron Labs
Benzoyl peroxide 2,5%, precipitated sulphur 2%.
MEDICATED SHAMPOO G2146
Indications: A medicated shampoo. Indicated for the treatment of various skin conditions, e.g. fleabite allergies, pyoderma, hotspots, hyperkeratosis and canine acne. –E, Can F.
250ml
Directions for use: Shake well before use. Wet the coat thoroughly. Apply shampoo to one affected area and lather well. Take care to avoid eyes. Don't rinse off the lather but leave it on the animal. Progress to the next affected area. Repeat until the entire body has been treated and leave the shampoo lather on for 5 minutes or longer if possible. Then rinse all the lather off. May be repeated daily or weekly.
See also IDR page 405

TEA TREE OIL SHAMPOO, Medpet
Tea Tree oil (*Melaleuca alternifolia*) 20g/L.
SHAMPOO
Indications: To keep coats healthy, shiny and silky smooth. –Can.
250ml, 2,5L
Directions for use: Wet coat thoroughly. Apply shampoo liberally and work to a rich lather. Rinse thoroughly. Repeat if necessary.

12.2. Antiseptics and antimicrobials

CYCLO SPRAY, Virbac
Chlortetracycline HCl 3,2g/200ml.
SPRAY G3284
Indications: Treatment and prevention of superficial skin infections caused by microorganisms sensitive to tetracycline. –All species.
200ml spray
Dosage: Rinse and dry affected areas. Spray thoroughly.
See also IDR page 702
ENGEMYCIN® SPRAY, Intervet SA (MSD Animal Health)
Oxytetracycline HCl 5g/200ml.
SPRAY G2981
Indications: Treatment of topical infections such as lacerations, abrasions, gaping wounds, dermatitis and footrot caused by or associated with organisms susceptible to oxytetracycline. –All animals.
200ml

Dosage: Spray onto the affected area for 1-2 seconds, at a distance of 15-20cm, until an even distribution of the dye is obtained. Repeat 12 hourly until complete recovery.
P/I: Hypersensitivity to tetracyclines.
See also IDR page 515

EQUIWASH, Alvet
Quaternary ammonium blend 24g/L, lauryl betaine 12g/L.
RINSE G2960
Indications: Antiseptic wound and body rinse/spray skin and general disinfectant. Aids in allergic conditions including AHS Secondarys, mange and sweet itch.
200ml, 500ml, 1L, 5L
Dosage: Refer to package insert for applicable dilutions.

F10™ GERMICIDAL TREATMENT SHAMPOO, Health & Hygiene
Quaternary ammonium and biguanidine compound 0,4g/100g.
LIQUID G3107
Indications: Effective as a treatment for bacterial, yeast and fungal skin conditions (e.g. pyoderma, skin fold dermatitis, moist eczema, rain scald, mud fever, ringworm, thrush, malassezia) and prevention of re-infection. Effective against *Microsporum canis* as well as other dermatophytes. –All species, all ages.
250ml, 5L
Dosage: Wet the coat thoroughly. Shampoo and rinse. Re-apply immediately working it into a good lather. Leave for 15 mins, rinse thoroughly. Repeat the treatment up to 3 times, applied every other day or until skin condition has cleared.

OVERDINE WOUND, EYE AND FOOTROT SPRAY, Oberon Pharma (Virbac)
Povidone iodine 10% m/v, allantoin 2% m/v, glycerol 5% m/v.
SPRAY G0495
Indications: Treatment of wounds, footrot, ophthalmia, bacterial eye infections. –B, O, Cap, E.
500ml
See also IDR page 741

PANTHOX, Kyron Labs
Oxytetracycline HCl 3,6% m/m, d-panthenol 3,2% m/m, gentian violet 0,3% m/m.
SPRAY G2401
Indications: For the prevention and treatment of oxytetracycline susceptible infections such as lacerations, abrasions, open wounds, dermatitis, footrot. –All species.
200ml
Dosage: Shake the can. Spray onto the affected area 1-2 daily until wound-healing is complete.
See also IDR page 402

SEBBADERM SHAMPOO, Kyron Labs
Salicylic acid 2%, precipit. sulph. 2%, captan 2%.
SHAMPOO G2041
Indications: Keratolytic, anti-seborrheic, fungicidal, anti-bacterial cleansing agent. –Can, F.
250ml(5Ls)
Dosage: Wet coat. Shampoo twice, leave on coat for 10 minutes before rinsing.
See also IDR page 405

SUPASPRAY PLUS, Kyron AH
Dichlorophos 1,6g, cypermethrin 0,37g, sulfadiazine 0,11g, piperonyl butoxide 0,021g, aluminium powder 4,7% m/m per 100ml.
SPRAY G3829
Indications: Ectoparasiticide wound remedy. O: Kills blowfly maggots in wounds. B: Controls multi-host and single-host ticks. –B, O.
Dosage: Apply evenly over the whole wound surface. Two treatments, 1 day apart, will kill all parasites on the treated sites.
W/T: B: Meat 14 days.
C/I: Do not use in lactating animals where milk is intended for human consumption.
P/I: Wear rubber gloves during application.
See also IDR page 461

TERRAMYCIN WOUND SPRAY, Zoetis
Oxytetracycline HCl 4g/150ml can, blue marker dye.
AEROSOL SPRAY G2234
Indications: Prevents, treats oxytetracycline sensitive topical infections. –All animals.
150ml
Dosage: Spray 1 or more x daily.
See also IDR page 881

12.3. Antipuritics

12.3.1. Topical corticosteroids

12.3.2. Others

★ **APOQUEL, Zoetis**
Oclacitinib 3,6mg; Oclacitinib 5,4mg; Oclacitinib 16mg.
(S4) TABLETS 16/21/05/06/07
Indications: Treatment of pruritus associated with allergic dermatitis in dogs. Treatment of clinical manifestations of atopic dermatitis in dogs. –Can.
100 tablets
Dosage: Admin. orally 0,4-0,6mg/kg bm, 2 x daily for up to 14 days. Maintenance: Same dose 1 x daily. Admin. with or without food. See approved label for full instructions for use.
C/I: Do not use in dogs <12 months of age or <3kg bm. Do not use in dogs with evidence of immune suppression, such as hyperadrenocorticism, or with evidence of progressive malignant neoplasia cases.

P/I: The safety of the product has not been established during pregnancy and lactation, or in breeding male dogs.

See also IDR page 783

ATOPICA, Elanco AH

Cyclosporin 25mg; 50mg; 100mg.
(S5) SOFT CAPSULES C07/21/04; C07/21/05; C07/21/06

Indications: Atopic dermatitis. –Can 30

Dosage: 5mg/kg bm. See literature for further dosage details. Give daily until a satisfactory clinical improvement is seen, generally within 4 weeks.

C/I: Do not use in dogs <3 months of age and <2kg in bm. Do not vacc. with live virus vacc. during treatment.

P/I: The safety of the product during pregnancy and lactation has not been established.

See also IDR page 269

★ **CYTOPPOINT, Zoetis**

Lokivetmab 10mg, 20mg, 30mg, 40mg.
(S4) INJECTION 17/24.5/15/16/17/18.

Indications: Treatment of clinical manifestations of atopic dermatitis in dogs. – Can.

2 vials

Dosage: The recommended min. dose is 1mg/kg bm, once a month. Sc use. For use in dogs only. Admin. the entire contents (1ml) of the vial. See approved label for full instructions for use.

C/I: Do not use in dogs <3 kg bm. Do not use during pregnancy, lactation or in breeding animals.

See also IDR page 808

EQUIWASH, Alvet

Quaternary ammonium blend 24g/L, lauryl betaine 12g/L.

RINSE G2960

Indications: Antiseptic wound and body rinse/spray skin and general disinfectant. Aids in allergic conditions including AHS secondaries, mange and sweet itch. 200ml, 500ml, 1L, 5L

Dosage: Refer to package insert for applicable dilutions.

12.4. Emollients and protectives

12.5. Rubefacients and counter-irritants

REDUCINE ABSORBENT, Eden Vet

Iodine resublimed 2,5% m/m, K-iodide 2,5% m/m.

OINTMENT G645

Indications: Lameness due to sore shins, joint injuries and splints. –E. 400g

Dosage: Apply 1 x daily.

P/I: Avoid eyes and mucous membranes.

RIGLY HORSE LINIMENT, Stride

Methyl salicylate 3,5% m/v, menthol 1,0% m/v, camphor 1,5% m/v, eucalyptus oil 1,5% m/v.

LINIMENT G1858

Indications: Aids in the relief of temporary muscular soreness, swelling and stiffness caused by exposure, overwork or exertion; stimulates circulation to areas where applied. –E.

500ml, 1L

Dosage: Apply 3 or more times daily.

Warnings: Use on horses only.

See also IDR page 681

12.6. Keratolytics

CLEANEAR, Kyron Labs

Malic acid 2,25, benzoic acid 0,15, salicylic acid 0,0375, docusate sodium 2,0% m/v in an aqueous/propylene glycol base.

LIQUID G3446

Indications: Use as general ear cleaner.

Cleanear cleans and dries the ear and normalises ear pH. Helps the removal of debris and discharges to allow better penetration of antibiotics or miticides, and removes excess waxy secretion. –E, Cap, O, P, Can, F.

30ml

Dosage: Instil 5-10 drops twice daily.

Massage ears gently to assist breakup of debris. Use a cotton wool swab to remove excess wax and debris.

OTICLEAR, Kyron Vet Rx

Lactic acid 2,5%, salicylic acid 0,1%.

LIQUID G3606

Indications: Cleansing solution for the removal of wax and tissue debris in the external ear canal. –Can, F.

125ml

Dosage: Liberal application.

P/I: Avoid contact with eyes. For topical use only.

See also IDR page 452

SEBBADERM SHAMPOO, Kyron Labs

Salicylic acid 2%, precipit. sulph. 2%, captan 2%.

LIQUID G2041

Indications: Keratolytic, anti-seborrheic, fungicidal, anti-bacterial cleansing agent. –Can, F.

250ml (5Ls)

Dosage: Wet coat. Shampoo twice, leave on coat for 10 minutes before rinsing.

See also IDR page 405

12.7. Antifungals

F10™ GERMICIDAL BARRIER

OINTMENT, Health & Hygiene

Quaternary ammonium and biguanidine compound 0,4g/100g.

OINTMENT G3108

Indications: Antiseptic effective against bacteria, fungi and viruses. Treatment of open and contaminated wounds and barrier to prevent infection. All wounds, cuts, lesions, hot spots, greasy heel, mud fever, bumble foot, ringworm, thrush. –All species, all ages. 25g, 100g, 500g

Dosage: Apply daily to affected area.

Repeat as necessary.

F10™ GERMICIDAL TREATMENT

SHAMPOO, Health & Hygiene

Quaternary ammonium and biguanidine compound 0,4g/100g.

LIQUID G3107

Indications: Effective as a treatment for bacterial, yeast and fungal skin conditions (e.g. pyoderma, skin fold dermatitis, moist eczema, rain scald, mud fever, ringworm, thrush, malassezia) and prevention of re-infection. Effective against *Microsporum canis* as well as other dermatophytes. –All species, all ages.

250ml, 5L

Dosage: Wet the coat thoroughly. Shampoo and rinse. Re-apply immediately working it into a good lather. Leave for 15 mins, rinse thoroughly. Repeat the treatment up to 3 times, applied every other day or until skin condition has cleared.

SEBBADERM SHAMPOO, Kyron Labs

Salicylic acid 2%, precipit. sulph. 2%, captan 2%.

LIQUID G2041

Indications: Keratolytic, anti-seborrheic, fungicidal, anti-bacterial cleansing agent. –Can, F.

250ml (5Ls)

Dosage: Wet coat. Shampoo twice, leave on coat for 10 minutes before rinsing.

See also IDR page 405

12.8. Antiparasitics

See 16.3, 16.4.

BUZZ OFF FLY REPELLENT, V-Tech

Cypermethrin 0,3% m/v, citronella oil 0,6% m/v, other essential herbal extracts.

SPRAY G2953

Indications: A wipe and spray on fly repellent against house flies. –E.

1L, 5L

Dosage: Brush animals' coat to remove excess dust and dirt. Apply to areas where flies accumulate with special attention to shoulders, legs, shanks, neck and ears.

P/I: Do not spray mist around the head and eyes.

See also IDR page 778

12.9. Wounds

12.9.1. Antiseptics

ALLGEL, Alvet

Quatenary ammonium blend 24g, ichthyol pale 5g/L.

GEL G3718

Indications: Treatment of wounds, cuts and grazes. –All animals.

250g

Dosage: Apply as a thin layer onto open cuts, wounds and abrasions. Leave open to dry. Repeat as necessary.

EXPEL™ WOUND AEROSOL, Afrivet

Resins and oils, 99,39% m/m, germicide 0,51% m/m, deltamethrin 0,10% m/m.

AEROSOL G3245

Indications: Controls and prevents screw-worm/blowfly strike, promotes healing and kills ticks present at time of application. –E, B, O, Cap, Can, Poultry, Birds.

300ml

Dosage: Apply freely in, around and above wounds (to diffuse downwards).

C/I: Do not apply to deep, penetrating wounds or to cats. Apply sparingly to birds.

See also IDR page 33

F10™ GERMICIDAL BARRIER

OINTMENT, Health & Hygiene

Quaternary ammonium and biguanidine compound 0,4g/100g.

OINTMENT G3108

Indications: Antiseptic effective against bacteria, fungi and viruses. Treatment of open and contaminated wounds and barrier to prevent infection. All wounds, cuts, lesions, hot spots, greasy heel, mud fever, bumble foot, ringworm, thrush. –All species, all ages. 25g, 100g, 500g

Dosage: Apply daily to affected area.

Repeat as necessary.

F10™ GERMICIDAL WOUND SPRAY WITH INSECTICIDE, Health & Hygiene

Quaternary ammonium, biguanidine compound 0,4g, cypermethrin 0,25g/100g.

LIQUID G3818

Indications: Long-acting antiseptic spot treatment spray for open and contaminated wounds. Barrier to re-infection. Repels flies and other insects. Prevention and treatment of fly-strike. –E, B, Cap, O, Can.

100ml, 500ml, 1L, 5L

Dosage: Clean the wound. Spray over site and leave to dry. 1-2 trigger pulls per wound. Repeat after 3-4 days if necessary.

C/I: Not for use on domestic cats.

P/I: Dangerous to fish and aquatic life.

FUTASPRAY, Afrivet

Chlorhexidine gluconate 100mg, cetrimide 1g, gentian violet 500mg/100ml.

AEROSOL G2715

Indications: Antibacterial and fungicidal wound spray for the treatment of wounds and skin infections. –E, B, O, Cap, P, Ostriches. 400ml

Dosage: Apply evenly over the whole wound surface 1 or 2 x daily.

P/I: The local application of Futaspray may temporarily inflict pain.

See also IDR page 38

OBERDINE WOUND, EYE AND

FOOTROT SPRAY, Oberon Pharma

(Virbac)

Povidone iodine 10% m/v, Allantoin 2% m/v, glycerol 5% m/v.

SPRAY G0495

Indications: Treatment of wounds, footrot, ophthalmia, bacterial eye infections.

–B, O, Cap, E.

500ml

See also IDR page 741

SUPASPRAY PLUS, Kyron AH

Dichlorphos 1,6g, cypermethrin 0,37g, sulfadiazine 0,11g, piperonyl butoxide 0,021g, aluminium powder 4,7% m/m per 100ml.

SPRAY G3829

Indications: Ectoparasiticide wound remedy. O: Kills blowfly maggots in wounds. B: Controls multi-host and single-host ticks. –B, O.

Dosage: Apply evenly over the whole wound surface. Two treatments, 1 day apart, will kill all parasites on the treated sites.

W/T: B: Meat 14 days.

C/I: Do not use in lactating animals where milk is intended for human consumption.

P/I: Wear rubber gloves during application.

See also IDR page 461

SUPONA TICK AND MAGGOT

SURFACE AEROSOL, Zoetis

Chlorfenvinphos 0,48% m/m, dichlorphos 0,74% m/m, gentian violet 0,145% m/m.

AEROSOL G0411

Indications: Controls ticks. Kills maggots in wounds. For cuts, abrasions, after dehorning, branding, shearing, tail docking and castration to prevent infections and maggot infestations. –B, Can, Cap, E, O. 385ml

Dosage: Spray on infected areas.

See also IDR page 875

WOUND-SEPT PLUS, Oberon Pharma

(Virbac)

Cypermethrin 0,0125% m/v, dichlorophen 0,015% m/v, chlorocresol 0,5% m/v.

AEROSOL G1521

Indications: Wound treatment. Prevents blowfly strike and contamination of open wounds by flies. –B, Can, Cap, E, O, P.

250g

Dosage: Spray evenly and sparingly over wound from a distance of approximately 20cm. Repeat after 2-3 days if necessary.

See also IDR page 775

12.9.2. Dressings

DEBRIZYME, Kyron Labs

Trypsin 0,125mg, castor oil 290mg, peru balsam 40mg, vitamins A 200iu, E 5iu/g.

AEROSOL G1791

Indications: Wound dressing. –All species. 150ml

Dosage: Spray onto wound site.

Apply 2-3 x daily.

C/I: Nor for use on fresh arterial clots.

See also IDR page 398

12.9.3. Desloughing agents

12.9.4. Others

PANTHOX, Kyron Labs

Oxytetracycline HCl 3,6% m/m, d-panthenol 3,2% m/m, gentian violet 0,3% m/m.

SPRAY G2401

Indications: For the prevention and treatment of oxytetracycline susceptible infections such as lacerations, abrasions, open wounds, dermatitis, footrot. –All species.

200ml

Dosage: Shake the can. Spray onto the affected area 1-2 daily until wound-healing is complete.

See also IDR page 402

13. OPHTHALMIC AND AURAL AGENTS

13.1. Anti-infectives

DOXYMYCIN EYE POWDER, Elanco AH

Doxycycline 1%, sodium sulphacetamide 5%, cetrimide 1% m/m.

POWDER G484

Indications: Ophthalmia. –B, E, Cap, O, P. 50g

Dosage: Clean eyes with lukewarm water. 1 puff into affected eye 2 x daily.

See also IDR page 304

★ **NEPTRA™, Elanco AH**

Florfenicol 16,6mg, terbinafine hydrochloride 16,6mg, mometasone furoate 2,2mg/ml.

(S4) DROPS 20/14.3/06

Indications: Neptra™ is indicated for the treatment of otitis externa in dogs associated with susceptible strains of yeast (*Malassezia pachydermatis*) and bacteria (*Staphylococcus pseudintermedius*). –Can. 2 x 1ml

Dosage: Admin. 1 dose (1 dropperette)/affected ear. The duration of effect should last 30 days.
C/I: Do not use in dogs with known tympanic membrane perforation. Do not admin. orally.
See also IDR page 327

OBERDINE WOUND, EYE AND FOOTROT SPRAY, Oberon Pharma (Virbac)
Povidone iodine 10% m/v, Allantoin 2% m/v, glycerol 5% m/v.
SPRAY G0495
Indications: Treatment of wounds, footrot, ophthalmia, bacterial eye infections. –B, O, Cap, E.
500ml
See also IDR page 741

13.2. Anti-infectives with corticosteroids

MEDISTATIN, Medpet
Nystatin 400 000iu/g.
POWDER G4028
Indications: For the prevention and treatment of *Candida* in pigeons and birds. –Pigeons, birds.
100g
Dosage: Pigeons: Mix 5g (1 heaped measure included) with 1kg of grain for 5-7 days. Grain to be mixed with Plume Plus to allow Medistatin to adhere to the grain. Avian: Mix 5g (1 heaped measure included) with 500g of soft food for 5-7 days. Seed to be mixed with Plume Plus to allow Medistatin to adhere to the seed.

★ **NEPTRA™, Elanco AH**
Fluorfenicol 16,6mg, terbinafine hydrochloride 16,6mg, mometasone furoate 2,2mg/ml.
(S4) DROPS 20/14.3/06
Indications: Neptra™ is indicated for the treatment of otitis externa in dogs associated with susceptible strains of yeast (*Malassezia pachydermatis*) and bacteria (*Staphylococcus pseudintermedius*). –Can.
2 x 1ml
Dosage: Admin. 1 dose (1 dropperette)/affected ear. The duration of effect should last 30 days.
C/I: Do not use in dogs with known tympanic membrane perforation. Do not admin. orally.
See also IDR page 327

OTOMAX, Intervet SA (MSD Animal Health)
Gentamicin 3mg, betamethasone 1mg, clotrimazole 10mg.
(S4) EAR DROPS C98/14.3/11
Indications: Canine acute and chronic otitis externa associated with yeast (*Malassezia pachydermatis*) and/or bacteria susceptible to gentamicin. –Can.
7,5(15)g

Dosage: Dogs <15kg: 4 drops 2 x/day in ear canal. >15kg: 8 drops 2 x/day in ear canal for 7 days.
S/E: Oto-toxicity if admin. to dogs with ruptured tympanic membrane.
C/I: Dogs with known perforation of eardrum. Concomitant use of drugs known to induce ototoxicity. Safety in pregnancy and lactation has not been established.
P/I: Hearing- or vestibular dysfunction: discontinue use. Hypersensitivity to one of components.
See also IDR page 602

POSATEX®, Intervet SA (MSD Animal Health)
Orbifloxacin 8,549mg, mometasone furoate monohydrate 0,855mg, posaconazole 0,855mg/ml. Excipients: Lauric acid, paraffin liquid, plasticised hydrocarbon gel.
(S4) EAR DROP SUSPENSION 12/17.1.6/14
Indications: Treatment of acute otitis externa and acute exacerbations of recurrent otitis externa associated with bacteria susceptible to orbifloxacin and fungi susceptible to posaconazole, in particular *Malassezia pachydermatis*.
Dosage: Clean and dry the ear canal meticulously before treatment. Cut excess hair around the treatment area. Shake well before use. Apply once a day. Dogs weighing <2kg, apply 2 drops into the ear. Dogs weighing 2-15kg, apply 4 drops into the ear. Dogs weighing 15kg or more, apply 8 drops into the ear. Continue treatment for 7 consecutive days. After application, massage the base of the ear briefly and gently to allow the preparation to penetrate the lower part of the ear canal.
C/I: Do not use if the eardrum is perforated. Do not use during pregnancy or lactation.
P/I: Compatibility with ear cleaners has not been demonstrated. Concurrent use with an ear cleaner with a high pH is not recommended. Wash hands carefully after applying and avoid skin contact.
See also IDR page 625

★ **NEPTRA™, Elanco AH**
Fluorfenicol 16,6mg, terbinafine hydrochloride 16,6mg, mometasone furoate 2,2mg/ml.
(S4) DROPS 20/14.3/06
Indications: Neptra™ is indicated for the treatment of otitis externa in dogs associated with susceptible strains of yeast (*Malassezia pachydermatis*) and bacteria (*Staphylococcus pseudintermedius*). –Can.
2 x 1ml
Dosage: Admin. 1 dose (1 dropperette)/affected ear. The duration of effect should last 30 days.
C/I: Do not use in dogs with known tympanic membrane perforation. Do not admin. orally.
See also IDR page 327

SUROLAN™ DROPS, Elanco AH
Miconazole nitrate 23mg/ml, prednisolone acetate 5mg/ml, polymyxin B sulphate 0,5293mg/ml.
(S4) DROPS 83/324
Indications: Indicated for the treatment of otitis and skin infections caused by fungi, yeasts, Gram-negative and Gram-positive bacteria. –Can, F.
15ml
Dosage: Ears: After cleaning the ear canal thoroughly, apply a few drops 2 x daily and massage the ear and ear canal in order to disperse the compound. Repeat daily for 7-10 days. Skin: Apply a few drops on the lesions 2 x daily and rub thoroughly. Continue for several days after the disappearance of

clinical symptoms. In stubborn, recurrent cases continue for 2-3 weeks. Clip hair on and surrounding the lesions before, and if necessary, during treatment.
P/I: Not effective against mange mites.
See also IDR page 345

★ **TERRA-CORTRIL EYE/EAR SUSPENSION, Zoetis**
Hydrocortisone acetate 5mg, oxytetracycline 10mg, polymyxin B sulphate 10 000iu/ml.
(S4) SUSPENSION 83/505
Indications: Treatment of eye/ear conditions requiring a topical hydrocortisone. Infections due to oxytetracycline and/or polymyxin susceptible organisms, diffuse otitis externa; excessive inflammatory reactions, pruritus; and chronic eczema– All species.
5ml
Dosage: Eye: 1-2 drops 3 x daily. Ear: 2-4 drops 3 x daily.
C/I: Corneal ulcer, erosion.
See also IDR page 879

13.3. Others

14. MAMMARY GLAND

14.1. Intramammary preparations

CEPHUDDER, Intervet SA (MSD Animal Health)
Cephapirin 300mg/10ml.
(S4) INJECTION C95/16.1/5
Indications: Dry cow remedy. Treatment of sub-clinical udder infections or for the prevention of new infections which may occur during the dry period. Bacteria sensitive to cephalapirin, e.g. *Streptococci*, *Staphylococci*, *Trueparella pyogenes*, *Eschericia coli*, *Klebsiella*. –B.
4 x 10ml
Dosage: Infuse the content of 1 injector into each quarter when the cow is dried off.
C/I: Do not use in lactating cows.
W/T: Meat 21 days. Milk – 2 milkings after calving, provided that the dry period has lasted more than 35 days.
See also IDR page 490

CEPRAVIN DRY COW, Intervet SA (MSD Animal Health)
Cephalonium 250mg/3g.
(S4) SYRINGE 83/570
Indications: Dry cow remedy, long-acting, mastitis. –B.
20 x 3g
Dosage: 1 syringe/quarter after last milking.
C/I: Lactating cows.
W/T: Meat 21 days. Milk 4 days after calving.
P/I: Do not use within 51 days of calving.
See also IDR page 490

COBACTAN® LC, Intervet SA (MSD Animal Health)
Each 8g syringe contains 75mg sterile micronised cefquinome (as sulphate). Excipients: liquid paraffin and white soft paraffin.
INTRAMAMMARY OINTMENT G4226
Indications: For the treatment of clinical mastitis in lactating dairy cows, caused by the following cefquinome-sensitive organisms: *Staphylococcus aureus*, *Streptococcus uberis*, *Streptococcus dysgalactiae*, *Streptococcus agalactiae*, *Escherichia coli* and other enterobacteria susceptible to cefquinome. –B.
Dosage: Gently infuse the contents of 1 syringe into the teat of the infected quarter every 12 hours after each of 3 consecutive milkings. Milk out the affected quarter(s). After thoroughly cleaning and disinfecting the teat and teat orifice, gently infuse the contents of 1 syringe into each affected quarter. Dispense the product by gently massaging the teat and the udder of the affected animal.
W/T: Meat 4 days. Milk 5 days (120 hours).
P/I: Allergic reactions to these substances may occasionally be serious.
See also IDR page 495

CURACLOX, Kyron AH
Cloxacillin 500mg, ampicillin 250mg.
INTRAMAMMARY PREPARATION G2617
Indications: For the treatment and prevention of mastitis during the dry period. –B.
80 x 4,5g syringes
Dosage: After final milking of a lactation, clean and disinfect the teats. Introduce the contents of one syringe into each quarter via the teat canal.
W/T: Meat 28 days. Milk – Milk for human consumption may only be taken for 60 hours post calving (i.e. 28 days plus 60 hours after the treatment).
P/I: Not to be used in lactating cows, do not use 28 days before calving.

FATROXIMIN® DC, Afrivet
Rifaximin 100mg/5ml.
(S4) INTRAMAMMARY OINTMENT 06/16.1/16
Indications: Indicated at drying off for therapy of subclinical mastitis, prevention of new infections during the dry period, prevention of acute mastitis which may arise at calving. –B, Buffaloes.
60, 5ml syringe
Dosage: 1 syringe in each affected quarter. See literature.
W/T: Milk: 0 days after calving if the dry period is equal to or longer than 35 days, 35 days after treatment if the dry period is shorter than 35 days.
C/I: Do not use the udders of treated animals as food for human consumption.
See also IDR page 34

FORTITUDE® EDC, Zoetis
Cloxacillin 600mg/syringe.
INTRAMAMMARY SUSPENSION G4042
Indications: Indicated for the intramammary treatment of the cow at drying off. It maintains effective antibiotic concentrations in the udder for up to 7 weeks.
24 x 7ml syringes, 120 x 7ml syringes, 200 x 7ml syringes
Dosage: 1 syringe per quarter immediately after the last milking of a lactation. At the end of lactation, milk the cow out normally. Clean and disinfect the teat end.
C/I: Do not use for the treatment of the lactating cow.
W/T: Meat 28 days. Milk 35 days (+ 96 hours).
P/I: Do not use for cows of a dry period of less than 7 weeks.
See also IDR page 836

MASTIJET FORTE, Intervet SA (MSD Animal Health)
Tetracycline HCl 200mg, neomycin base 250mg, bacitracin 2 000iu, prednisolone 10mg.
(S4) SYRINGE 83/760
Indications: Mastitis and severe mastitis caused by susceptible micro-organisms. –B.
20 x 8g
Dosage: 1 syringe in each infected quarter. Repeat after 24 hrs if required.
W/T: Meat 2 days. Organs 42 days. Udder tissue 14 days. Milk 8 milkings. Untreated quarters 1 milking after last treatment.
See also IDR page 548

MASTIPLAN L.C., Intervet SA (MSD Animal Health)
Cefapirin as sodium salt 300mg, prednisolone 20mg/10ml syringe.
(S4) SUSPENSION 09/16.1/17
Indications: For the treatment of clinical mastitis in lactating dairy cows caused by cefapirin sensitive organisms, i.e., *Staphylococci* (including *S. aureus* and coagulase-negative *staphylococci*), *Streptococci* (including *S. agalactiae*, *S. dysgalactiae* and *S. uberis*), Coliforms (including *E. coli*). –B.
4, 20
Dosage: Admin. 1 syringe/infected quarter every 12 hours, with a max of 4 treatments. Before infusion milk udder out completely.
W/T: Meat and offal 3 days (72 hours). Milk 120 hours (10 milkings).
C/I: Do not use in case of hypersensitivity of the animal to the cephalosporin antibiotics or other beta-lactam antibiotics.
See also IDR page 548

ORBENIN EXTRA DC, Zoetis
Cloxacillin 600mg/syringe.
(S4) INTRAMAMMARY SUSPENSION 91/16.1/6
Indications: For the intramammary treatment of the cow at drying off. It maintains effective

antibiotic concentrations in the udder for up to 7 weeks.
24 x 7ml syringes
Dosage: 1 syringe/quarter immediately after the last milking of a lactation. At the end of lactation, milk the cow out normally. Clean and disinfect the teat end.
C/I: Do not use for the treatment of the lactating cow.
W/T: Meat 28 days. Milk 35 days (+ 96 hours).
P/I: Do not use for cows of a dry period of less than 7 weeks.
See also IDR page 850

ORBESEAL, Zoetis
65% Bismuth subnitrate/4g intramammary syringe.
INTRAMAMMARY SUSPENSION G4174
Indications: For the prevention of new intramammary infections throughout the dry period. Mastitis control. –B.
Syringes x 4g: 144
Dosage: 1 syringe into each udder quarter immediately after last milking of the lactation (at drying off). Do not massage the teat or udder after infusion. See literature.
W/T: Meat and milk 0 days.
C/I: Do not use in lactating cows. Do not use alone in cows with subclinical or clinical mastitis at drying off.
See also IDR page 851

RILEXINE® 200 L.C., Virbac
Cefalexin 100mg, neomycin sulphate 100mg, prednisolone 10mg.
(S4) INTRA-MAMMARY SUSPENSION 83/639
Indications: Acute and chronic mastitis. –B, Cap.
12 x 10ml, 100 x 10ml.
Dosage: B: 1 syringe in affected quarter after milking. Cap: ½ a syringe in affected quarter after milking.
W/T: Meat 96 hrs.
See also IDR page 755

RILEXINE® 500 D.C., Virbac
Cefalexin 250mg, neomycin sulphate 250mg.
(S4) INTRA-MAMMARY SUSPENSION 83/638
Indications: Mastitis during the dry period. –B, Cap, O.
48 x 10ml, 100 x 10ml
Dosage: B: 1 syringe in affected quarter after last milking. Cap, O: ½ a syringe in affected quarter after last milking.
W/T: Milk 4 weeks.
See also IDR page 756

SPECTRAMAST® DC, Zoetis
Ceftiofur HCl 500mg/syringe.
(S4) INTRA-MAMMARY SUSPENSION 06/16.1/20
Indications: Treatment of subclinical mastitis in dairy cattle at the time of dry off associated with *Staphylococcus aureus*, *Streptococcus dysgalactiae*, and *Streptococcus uberis*.

Spectramast DC has been proven effective against *Staphylococcus aureus*, *Streptococcus dysgalactiae*, and *Streptococcus uberis*. –B. 12 x 10ml syringes

Dosage: Infuse 1 syringe into each affected quarter at the time of dry off.

W/T: Meat 16 days. Milk taken from cows completing a 30-day dry cow period may be used for food with no milk discard. A 0-day pre-slaughter withdrawal period for calves born to treated cows when the treatment to calving interval is 30 days or more, regardless of colostrum consumption.

P/I: Must not be mixed with other veterinary medicinal products. May be used during pregnancy, lactation or lay.

See also IDR page 871

SPECTRAMAST® LC, Zoetis

Ceftiofur HCL 125mg/syringe.

(S4) INTRAMAMMARY SUSPENSION

06/16.1/19

Indications: For use in lactating dairy cattle for treatment of clinical mastitis associated with coagulase-negative staphylococci, *Streptococcus dysgalactiae*, and *Escherichia coli* and treatment of diagnosed subclinical mastitis associated with coagulase-negative staphylococci and *Streptococcus dysgalactiae*. –B. 12 x 10ml syringes

Dosage: Infuse 1 syringe into each affected quarter. Repeat treatment in 24 hours. For extended duration therapy, once daily treatment may be repeated for up to 8 consecutive days. See literature.

W/T: Milk taken during treatment (a max. of 8 consecutive daily infusions) and for 72 hours after the last treatment must not be used for human consumption and must be discarded.

See also IDR page 872

SPECTRAZOL MILKING COW, Intervet SA (MSD Animal Health)

Cefuroxime 250mg.

(S4) INTRAMAMMARY INJECTION 83/594

Indications: Mastitis. –B.

20 x 3g

Dosage: Admin. to infected quarter 12 hourly after each of 3 successive milkings.

W/T: Milk 60 hours. Meat 1 day.

C/I: Do not use in dry cows.

See also IDR page 645

★ **SYNULOX PRED LC, Zoetis**

Amoxycillin 200mg, clavulanic acid 50mg, prednisolone 10mg/4,5ml syringe.

(S4) INTRAMAMMARY INFUSION

93/16.1/3

Indications: Treatment of acute mastitis in lactating cows. –B.

20, 24 syringes

Dosage: A course of 3 syringes/infected quarter. 1 syringe to be infused every 12 hours for 3 consecutive milkings.

W/T: Meat 14 days. Milk 60 hours.

C/I: Do not use to treat chronic mastitis.

Warning: Should preferably not be used in the presence of intramammary haemorrhage.

See also IDR page 877

UBROLEXIN™, Boehringer

Cephalexin (as monohydrate) 200mg, kanamycin (as monosulphate) 100 000iu/10g intramammary syringe.

INTRAMAMMARY SYRINGE 12/16.1/17

Indications: For the treatment of clinical mastitis infections in lactating dairy cows susceptible to the combination of cephalexin and kanamycin such as *Staphylococcus aureus*, *Streptococcus agalactiae*, *Streptococcus dysgalactiae*, *Streptococcus uberis*, *Escherichia coli* and coagulase-negative staphylococci. –B. 10, 20

Dosage: Before infusion, milk out the udder completely, clean and disinfect the teat thoroughly and take care to avoid contamination of the injector nozzle. Treat the infected quarter(s) 2 x, with an interval of 24 hours between treatments. Use the contents of 1 syringe/quarter/ treatment. Once admin., hold the end of the teat and gently massage the medicine towards the udder. See literature.

W/T: Meat and offal 10 days. Milk 5 days.

C/I: Do not use in lactating dairy cows with a known hypersensitivity to cephalexin and/ or kanamycin. Do not use in dry cows. Do not use where bacterial resistance to cephalexin and/or kanamycin is prevalent.

See also IDR page 160

UBROSTAR, Boehringer

Penethamate 77,2mg, penicillin 171,6mg, framycetin1,71mg/4,5g intramammary syringe.

(S4) INJECTION C17/16.1/05

Indications: For the treatment of subclinical mastitis at drying off, and the prevention of new bacterial infections of the udder during the dry period in dairy cows, caused by bacteria susceptible to penicillin and framycetin. –B. 20, 60

Dosage: Infuse the contents of 1 syringe into each quarter immediately after last milking of a lactation.

W/T: Meat and offal 10 days. Milk: If treated at least 35 days before calving, milk must not be used for 36 hours after calving. If treated less than 35 days before calving, milk must not be used for 37 days after treatment.

C/I: Do not use in lactating cows.

P/I: Where there is a risk of summer mastitis, additional management procedures, such as fly control should be considered.

See also IDR page 161

14.2. Care of teats and udders

F10™ DISINFECTANT TEAT SPRAY

WITH GLYCERINE, Health & Hygiene

Quaternary ammonium and biguanidine compound 0,12g/100g.

LIQUID G3075

Indications: Post-milking teat disinfectant effective against bacteria, fungi and viruses for use in summer conditions. –B. 5L, 25L

Dosage: Spray teats and leave to dry.

F10™ DISINFECTANT TEAT SPRAY

WITH GLYCERINE & LANOLIN, Health & Hygiene

Quaternary ammonium and biguanidine compound 0,12g/100g.

LIQUID G3071

Indications: Post-milking teat disinfectant effective against bacteria, fungi and viruses for use in severe/winter conditions. –B. 5L, 25L

Dosage: Spray teats and leave to dry.

F10™ DISINFECTANT TEAT SPRAY

WITH GLYCERINE AND LANOLIN & VITAMIN E, Health & Hygiene

Quaternary ammonium and biguanidine compound 0,12g/100g.

LIQUID G3074

Indications: Post-milking teat disinfectant effective against bacteria, fungi and viruses for use in severe/winter conditions and to treat damaged teats. –B. 5L, 25L

Dosage: Spray teats and leave to dry.

F10™ UDDER WASH, Health & Hygiene

Quaternary ammonium and biguanidine compound 0,12g/100g.

LIQUID G3072

Indications: Pre-milking teat disinfectant effective against bacteria, fungi and viruses to prevent cross contamination. –B. 25L

Dosage: Wash teats, dry off, strip cup and spray teats and inside of clusters.

15. ANTIMICROBIALS

15.1. Antibacterials

15.1.1. Beta-lactams

15.1.1.1. Penicillins

AVIVET, Medpet

Amoxycillin 40g, vitamins A 2 000iu, E 20mg, K3 2mg, C 20mg, B1 2mg, B2 10mg, B6 2mg, B12 4,8µg, niacin 20mg/100g.

POWDER G1761

Indications: Treatment of respiratory tract infections. –Pigeons, Cage birds. 100g

Dosage: 5g/1L drinking water. Fresh solutions daily. Admin. for 5-7 days.

W/T: Pigeons; Meat 5 days.

P/I: Store in a cool, dry place.

CLAMOXYL RTU, Zoetis

Amoxycillin 150mg/ml.

(S4) INJECTABLE SUSPENSION 83/385

Indications: Acute and severe wound infections, skin infections, RTIs, UTIs, GTIs. –B, O, P, Can, F. 100ml

Dosage: 7mg/kg bm 1 x daily for up to 5 days. See package insert for dose per species.

C/I: Known hypersensitivity. Do not use in lagomorphs and rodents.

W/T: Meat 30 days. Milk 72 hours.

See also IDR page 797

DEPOCILLIN, Intervet SA (MSD Animal Health)

Procaine benzylpenicillin 300mg/ml.

(S4) INJECTION 83/659

Indications: Penicillin-sensitive infections. –All animals. 100 (250)ml

Dosage: B, E: 20ml/500kg bm im.

O, P: 2,5ml/50kg bm im. Can, F: 1ml/10kg sc/im.

C/I: Hypersensitivity to penicillin. Psittacine birds are sensitive to procaine.

W/T: B, O: Meat 4 days. P: Meat 5 days. Milk 5 milkings.

See also IDR page 508

DUPLOCILLIN®, Intervet SA (MSD Animal Health)

Procaine benzylpenicillin 150 000iu,

benzathine benzylpenicillin 150 000iu.

(S4) INJECTION 83/661

Indications: Penicillin-sensitive infections, including swine erysipelas, wound infections. –E, B, P, O, Can, F.

100 (250)ml

Dosage: B, E: 1ml/25kg bm im.

O, P: 1ml/20kg bm im. Can, F: 1ml/10kg bm im. Dosage interval: 72 hours.

C/I: Penicillin hypersensitivity. Psittacine birds are sensitive to procaine.

W/T: Meat and organs 14 days.

Milk 5 milkings. Injection site: B, P: 70 days. O: 56 days.

P/I: Repeat injection should not be given at the previously used site.

See also IDR page 513

★ **SYNULOX 50(250), Zoetis**

Amoxycillin 40 (200)mg, clavulanic acid 10(50)mg/tablet.

(S4) TABLETS 83/371/372

Indications: Skin and soft tissue infections, UTIs, RTIs, enteritis, oral infections. –Can, F. 100 (100)

Dosage: 12,5-13,75mg/kg bm 2 x daily. Refractory cases particularly those of the respiratory tract, have shown improved cure rates by doubling the dose to 25 to 27,5mg/kg bm twice daily.

C/I: Not to be used in lagomorphs and rodents due to the fact that bacterial superinfection is usually induced in these animals.

See also IDR page 876

★ **SYNULOX RTU, Zoetis**

Amoxycillin 140mg, clavulanic acid 35mg/ml.

(S4) INJECTION. 93/17.1.11/1

Indications: Treatment of infections caused by susceptible organisms: soft tissue, metritis, mastitis, respiratory/urinary tract infections. –B, Can, F.

100ml

Dosage: B, Can, F: 8,75mg/kg (1ml/20kg) bm im or sc, once daily for 3-5 days.

W/T: Meat 28 days. Milk 24 hours.

C/I: Known hypersensitivity. Small herbivores. **S/E:** Hypersensitivity reactions. Pharyngitis or sore throat occasionally in dogs. Local tissue reaction.

See also IDR page 878

15.1.1.2. Cephalosporins

CEVAXEL RTU®, Ceva AH

Ceftiofur 50mg/ml.

(S4) SUSPENSION FOR INJECTION

12/17.1.1.2/08

Indications: B: For the treatment of bacterial respiratory disease associated with *Pasteurella multocida*, *Mannheimia haemolytica* and *Histophilus somi*. For the treatment of acute interdigital necrobacillosis (panaritium, foot rot), associated with *Fusobacterium necrophorum* and *Bacteroides melanogenicus* (*Porphyromonas asaccharolytica*). For treatment of the bacterial component of acute post-partum (puerperal) metritis within 10 days after calving associated with *Escherichia coli*, *Arcanobacterium pyogenes* and *Fusobacterium necrophorum*: this indication is restricted to cases where treatment with another antimicrobial has failed. P: For the treatment of bacterial respiratory disease associated with *Pasteurella multocida*, *Actinobacillus pleuropneumoniae* and *Streptococcus suis*. –B, P. 100ml, 250ml

Dosage: B: 1ml sc/50kg bm/day for 3-5 days.

P: 1ml im/16kg bm for 3 days. See literature.

W/T: B: Meat and offal 8 days. Milk 0 hours. P: Meat and offal 5 days.

C/I: Do not use in poultry (including eggs) due to risk of spread of antimicrobial resistance to humans. Do not inject iv. Do not use during pregnancy and lactation.

See also IDR page 202

COBACTAN®, Intervet SA (MSD Animal Health)

Cefquinome 25mg/ml.

(S4) INTRAMUSCULAR INJECTION

C99/17.1/13

Indications: The treatment of bacterial infections in cattle and pigs caused by the Gram-positive and Gram-negative micro-

organisms sensitive to cefquinome.

B: Respiratory disease caused by *Pasteurella multocida* and *Mannheimia haemolytica*.

Digital dermatitis, infectious bulbar necrosis and acute foot rot. Calves: *Escherichia coli* septicaemia. Pigs: Treatment of bacterial infections of the lungs and respiratory tract caused by *Pasteurella multocida*, *Haemophilus parasuis*, *Actinobacillus pleuropneumoniae*, *Streptococcus suis* and other cefquinome-sensitive organisms. Mastitis-metritis-agalactia syndrome (MMA) with involvement of *Escherichia coli*, *Staphylococcus* spp., *Streptococcus* spp. and other cefquinome-sensitive organisms. Meningitis caused by *Streptococcus suis*. Arthritis caused by *Streptococcus* spp., *Escherichia coli* and other cefquinome-sensitive organisms. Epidermitis (mild or moderate lesions) caused by *Staphylococcus hyicus*. –B, P. 100ml

Dosage: 2ml/50kg bm. 1 injection/day for 3-5 consecutive days.

W/T: B: Meat 5 days. Milk 1 day. P: Meat 3 days.

C/I: Do not admin. to animals <1,25kg bm.

See also IDR page 493

COBACTAN® LA 7,5 %, Intervet SA (MSD Animal Health)

Cefquinome 75mg/ml.

(S4) INJECTION C07/17.1.1.2/29

Indications: Treatment of infections of the respiratory tract of cattle, associated with *Mannheimia haemolytica*, *Pasteurella multocida* and *Histophilus somni* that is sensitive to cefquinome. –B.

Dosage: 1ml/30kg bm sc as a single injection. Evaluate the response to the treatment during 48 hours following the injection. If clinical signs of respiratory disease remain, a 2nd injection is recommended at a 48-hour interval. To ensure the correct dosage and to avoid possible underdosing, bm should be determined as accurately as possible. Divide the dose so that no more than 10ml is injected at 1 site.

W/T: Meat and offal 14 days. Milk – Do not use in lactating animals producing milk for human consumption and in pregnant animals producing milk for human consumption, less than 2 months prior to calving.

C/I: Not to be admin. to animals with known hypersensitivity to cephalosporins and other β-lactam antibiotics.

P/I: Safety in pregnancy and lactation has not been established.

P/I: Sc injection induces an inflammatory tissue reaction at the injection site. The lesions caused by the injection may persist for at least 28 days after the last dose has been admin.

See also IDR page 494

★ **CONVENIA, Zoetis**

Cefovecin 80mg/ml of the reconstituted solution.

(S4) POWDER & DILUENT 07/17.1.1.2/08 diluent for Convenia: 07/34/09

Indications: Can: Treatment of skin and soft tissue infections including pyoderma, wounds and abscesses associated with *Staphylococcus intermedius*, β-haemolytic *Streptococci*, *Escherichia coli* and/or *Pasteurella multocida*. Treatment of UTIs associated with *Escherichia coli* and/ or *Proteus* spp. Adjunctive treatment to periodontal therapy in severe infections. F: Treatment of skin and soft tissue abscesses and wounds associated with *Pasteurella multocida*, *Fusobacterium* spp., *Bacteroides* spp., *Prevotella oralis*, β-haemolytic *Streptococci* and/or *Staphylococcus intermedius*. Treatment of UTIs associated with *Escherichia coli*. – Can, F. 1 x powder: 4ml after reconstitution. 1 vial diluent: 4 ml
1 x powder: 10 ml after reconstitution. 1 vial diluent: 10 ml
Dosage: 1ml/10kg bm sc. Can: Skin and soft tissue infections: Admin. single sc injection. If required, treatment may be repeated at 14-day intervals up to an additional 3 doses. Severe infections of the gingival and periodontal tissues: Admin. a single sc injection of 1ml/10kg bm. F: Skin and soft tissue abscesses and wounds: Admin. single sc injection. If required, an additional dose may be admin. 14 days after the first injection. Can, F: UTI: Admin. single sc injection.
C/I: The safety of cefovecin has not been assessed in animals suffering from severe renal dysfunction. Safety has not been established during pregnancy and lactation. Do not use in small herbivores (including guinea pigs and rabbits) and in dogs and cats less than 8 weeks old.
See also IDR page 798

CURACEF DUO INJECTABLE SUSPENSION, Virbac
Ceftiofur 50mg, ketoprofen 150mg/ml.
(S4) INJECTABLE SUSPENSION 17/17.1.10/02

Indications: For the treatment of respiratory disease (*Histophilus somni*, *Mannheimia haemolytica* and *Pasteurella multocida*), and interdigital necrobacillosis (*Bacteroides melaninogenicus*, *Fusobacterium necrophorum*, *Fusobacterium nucleatum*, *Prevotella bivia* and *Prevotella oralis*) due to bacteria susceptible to ceftiofur and associated with pain and/or pyrexia and/or inflammation. –B. 50ml, 100ml, 250ml
Dosage: 1ml/50kg im at each injection. Use only when the disease is associated with clinical signs of inflammation or pyrexia and may be admin. for 1-5 consecutive days, depending upon the clinical response on a case-by-case basis. As the duration for the antibiotic treatment should not be <3-5 days, when inflammation and pyrexia have subsided, switch to a ceftiofur-only containing product in order to ensure

3-5 days of continuous antibiotic treatment. See literature.
W/T: Meat and offal 8 days. Milk 0 hours.
C/I: Do not use in poultry (including eggs) due to risk of spread of antimicrobial resistance to humans. Do not admin. other NSAIDs concurrently or within 24 hours of each other. Use is contraindicated in animals suffering from cardiac, hepatic or renal disease, where there is the possibility of gastrointestinal ulceration or bleeding, where there is evidence of a blood dyscrasia.
P/I: Avoid use in any dehydrated, hypovolaemic or hypotensive animals as there is a potential risk of increased renal toxicity.
See also IDR page 695
EXCEDE, Zoetis
Ceftiofur 200mg/ml.
(S4) SUSPENSION 10/17.1.1.2/01
Indications: Treatment of Bovine Respiratory Disease (BRD) associated with *Mannheimia haemolytica*, *Pasteurella multocida* and *Histophilus somni*. Control of respiratory disease in beef and non-lactating cattle which are at high risk of developing BRD associated with *M. haemolytica* and *P. multocida* and *H. somni*. Treatment of bovine footrot (interdigital necrobacillosis) associated with *Fusobacterium necrophorum*, *Bacteroides* spp., *Prevotella* spp., and *Porphyromonas* spp. –B. 100 or 250ml
Dosage: 1ml/30kg bm sc at base of the ear.
W/T: Meat 13 days. Milk 0 days.
P/I: The effects on bovine reproductive performance and pregnancy have not been determined.
See also IDR page 831

EXCENEL, Zoetis
Ceftiofur 50mg/ml.
(S4) POWDER FOR INJECTION 89/17.1.1.2/1
Indications: Respiratory disease, bovine footrot. –B, P. 4g
Dosage: After reconstitution: B: 1ml/50kg bm im 3 x daily. P: 1ml/16kg bm im 3 x daily.
W/T: Meat 24 hours. Milk 0 hours.
S/E: Trans. elevated levels of aspartate transaminase and creatinine phosphokinase, muscle irritation, immediate and transient pain at injection site.
P/I: Max. 10ml/injection site.
See also IDR page 832
EXCENEL FLUID, Zoetis
Ceftiofur HCl 50mg/ml.
(S4) INJECTION A03/17.1.1.2/11
Indications: Cattle: Treatment of Bovine Respiratory Disease; acute stage of mild to moderate bovine footrot; bacterial component of acute post-partum (puerperal) metritis in cattle 0-14 days after calving. Pigs: Treatment/control of swine bacterial respiratory disease. –B, P. 100ml, 250ml

Dosage: Admin. im or sc. B: Bovine respiratory disease and the acute stage of mild to moderate bovine footrot: 1ml/50kg bm. Repeat at 24-hour intervals for 3 consecutive days. Bovine acute post-partum metritis: Within 14 days of calving, admin. 1ml/50kg bm for 5 consecutive days. P: Admin. 1ml/16kg bm im. Repeat at 24-hour intervals for 3 consecutive days. See package insert.
W/T: Meat 4 days. Milk 0 days.
C/I: Do not inject iv. Do not use in poultry due to the risk of spread of antimicrobial resistance to humans.
P/I: Not for human use. Efficacy could be reduced in advanced stages of bovine footrot. Safety of the product has not been investigated during pregnancy.
See also IDR page 833

15.1.2. Tetracyclines

BACTEFORT®, Bupo
Oxytetracycline HCl 50%.
POWDER G4212
Description: A broad-spectrum antibiotic effective against Gram-positive and Gram-negative bacteria, as well as *Mycoplasma*. –P, Poultry. 25g, 50g, 100g, 1kg, 20kg
Dosage: Poultry: Large operation: 100mg/kg bm. Small operation: 5g/10L clean drinking water. P: 10g/10L clean drinking water. For premix: Poultry: 50-200g/ton feed. P: Respiratory treatment: 50-100g/ton feed. Reduction of cases of abortion due to swine leptospirosis: 500g/ton feed.
W/T: Poultry: Meat 3 days.
C/I: Do not admin. to fowls producing eggs for human consumption.
See also IDR page 169

CHLORTET 200 G, ECO (Afrivet)
Chlortetracycline 200g/kg.
POWDER G3141
Indications: Respiratory and other infections caused by organisms susceptible to chlortetracycline. –B, P, Poultry. 25kg
Dosage: 1,5-2,0kg/ton feed.
C/I: Do not admin. to breeding animals or laying hens.
W/T: Meat 7 days.
See also IDR page 9

CHLORTETRACYCLIN+, Columbomed
Indications: Ornithosis, general bacterial infections, support of body metabolism and resistance. –Pigeons.
CAPSULES G1912
Chlortetracycline HCl 25mg, anhydrous sodium sulphate 2,25mg, potassium chloride 2,25mg, sodium arsanilate 1,75mg, manganese sulphate 3,75mg, zinc sulphate 2,5mg, copper sulphate 250µg, cobalt sulphate 12,5µg, sodium iodide 37,5µg, methionine 3mg, L(+)-lysine HCl 1,25mg, vit B12 cyanocomplex

0,25µg, choline bitartrate 10mg, vit A acetate 300iu, vit A palmitate 200iu, vit D3 12,5iu, vit E acetate 500µg, thiamine HCl 50µg, riboflavin 125µg, nicotinamide 750µg, pyridoxin HCl 50µg, menaphthone sodium bisulphate 100µg, calcium pantothenate 250µg, vit C 1,25mg, folic acid 12,5µg, sacchrum Q/S/180mg. 100
Dosage: 1-2 capsules/pigeon/day x5 days.
WS POWDER G1817
Chlortetracycline HCl 1,0g, anhydrous sodium sulphate 90mg, potassium chloride 90mg, sodium arsanilate 70mg, manganese sulphate 150mg, zinc sulphate 100mg, copper sulphate 10mg, cobalt sulphate 450µg, sodium iodide 1,5mg, methionine 120mg, L(+)-Lysine HCl 50mg, vit A acetate 12 000iu, vit A palmitate 8 000iu, choline bitartrate 400mg, vit D3 500iu, vit E acetate 20mg, thiamine HCl 2mg, riboflavin 5mg, nicotinamide 30mg, pyri-doxin HCl 2mg, menaphthone sodium bisulphate 4mg, calcium pantothenate 10mg, ascorbic acid 50mg, cyanocobalamin (vit B12) 10µg, folic acid 500µg, sacchrum Q/S/7,5mg. 10 sachets
Dosage: 1 sachet/1-2L drinking water.
C/I: Not for pigeons intended for human consumption.

CYCLO SPRAY, Virbac
Chlortetracycline HCl 3,2g/200ml.
SPRAY G3284
Indications: Treatment and prevention of superficial skin infections caused by microorganisms sensitive to tetracycline. –All species. 200ml spray
Dosage: Rinse and dry affected areas. Spray thoroughly.
See also IDR page 702

DOXYBIOTIC-PLUS, Medpet
Doxycycline HCl 75g/kg, vitamins A 1,0g/kg, B1 280mg/kg, B2 250mg/kg, B6 608mg/kg, B12 2,5mg/kg, E 660iu/kg, K 790iu/kg, lactose 485g/kg, dextrose 485g/kg.
POWDER G1509
Indications: As an aid in the prevention of bacterial infections in pigeons and cagebirds. –Pigeons, Cage birds. 50g, 200g, 500g, 5kg
Dosage: Add 5g (1 heaped measure included) to 1L of drinking water for 5-7 consecutive days. Change medicated water daily.

DOXYBIRD, Medpet
Doxycycline 7,5mg.
TABLETS G1763
Indications: Respiratory conditions caused by oxytetracycline sensitive organisms. –Pigeons, Cage birds. 100
Dosage: See literature.
W/T: Pigeons: Meat 5 days.

DOXYDOG, Medpet
Doxycycline hyclate 50 (100; 300)mg.
TABLETS G2559, G2636, G2637
Indications: Organisms susceptible to doxycycline. –Can. 100 (100; 50)
50mg tablets: yellow; 100mg tablets: red; 300mg tablets: orange.
Dosage: Bacterial infections: 10mg/kg bm for 5-7 days. Can. ehrlichiosis: 10mg/kg bm for 20 days.
S/E: Vomiting, salivation, tooth staining in pups.

DOXY-MAX 50 %, Kyron AH
Doxycycline hyclate 500mg/g.
POWDER (WATER-SOLUBLE) G3918
Indications: Treatment of bacterial respiratory disease and bacterial GI infections. –Poultry. 30g, 100g, 1kg
Dosage: For oral admin. In drinking water. 1-19 day-old broilers: 0,75g/L drinking water; 20-24 day-old broilers: 0,1g/L drinking water; 25-30 day-old broilers: 0,15g/L drinking water. Admin. for 3 consecutive days. Medicated drinking water should be consumed within 24 hours. For smaller number of broilers: 1-19 day old broilers: 5ml/40L drinking water; 20-24 day old broilers: 5ml/25L drinking water; 25-30 day old broilers: 5ml/20L drinking water.
W/T: Meat 9 days.
C/I: Do not admin. to hens laying eggs for human consumption.
See also IDR page 421

DOXYMYCIN QA, Elanco AH
Doxycycline hyclate 100mg/ml.
INJECTION G517
Indications: B, Cap, O, P: Heartwater, anaplasmosis, footrot, pneumonia, navel-ill, joint-ill. E: Strangles. –B, E, Cap, O, P. 50ml
Dosage: Anaplasmosis: 4ml/100kg bm. Repeat after 24 hours if reqd. Heartwater: 2ml/100kg bm. Other infections: 2-4ml/100kg bm as single daily dose for 2-3 days.
S/E & C/I: As for oxytetracyclines.
W/T: Meat 14 days. Milk 2 days.
See also IDR page 304

DOXYSYRUP, Medpet
Doxycycline hyclate 10mg/ml.
SYRUP G2235
Indications: Organisms susceptible to doxycycline. –Can, F. 25ml
Dosage: 1ml/kg bm daily for 5-7 days.

ENGEMYCIN® 10 %, Intervet SA (MSD Animal Health)
Oxytetracycline 100mg/ml.
INJECTION G2470
Indications: B: Anaplasmosis, heartwater, bacterial pneumonia, mastitis, bacterial enteritis, navel/joint-ill, bacterial wound

infect. E: Strangles, bacterial pneumonia, enteritis. P: bacterial pneumonia, mastitis, bacterial enteritis, navel/joint-ill, bacterial wound infect. O, Cap: Heartwater, bacterial pneumonia, footrot, mastitis, navel/joint-ill, bacterial wound infection. –B, E, O, Cap, P. 100 (500)ml
Dosage: Anaplasmosis, heartwater: 20mg/kg im. Other infections: B, E: 1ml/10kg bm iv/im divided over 2 sites. Piglets: 1ml/10kg bm sc. P: 1ml/10kg bm im or sc. O, Cap: 1ml/10kg bm iv/im divided over 2 sites.
S/E: As for oxytetracycline.
C/I: Oxytetracycline hypersensitivity.
W/T: Meat and organs 14 days. Milk 60 hours.
P/I: Do not inject piglets with iron on the same day. Do not dilute with calcium salts as this may lead to crystallisation. Use with caution in animals with existing kidney impairment.
See also IDR page 514
ENGEMYCIN® SPRAY, Intervet SA (MSD Animal Health)
Oxytetracycline HCl 5g/200ml.
SPRAY G2981
Indications: Treatment of topical infections such as lacerations, abrasions, gaping wounds, dermatitis and footrot caused by or associated with organisms susceptible to oxytetracycline. –All animals. 200ml
Dosage: Spray onto the affected area for 1-2 seconds, at a distance of 15-20cm, until an even distribution of the dye is obtained. Repeat 12-hourly until complete recovery.
P/I: Hypersensitivity to tetracyclines.
See also IDR page 515

HI-TET 120, Elanco AH
Oxytetracycline HCl 120mg/ml.
INJECTABLE SOLUTION G1316
Indications: B: Treatment of tick-borne gallsickness, heartwater, footrot, navel ill, joint ill, pneumonia. E: Strangles. –B, E, Cap, O, P. 100ml, 500ml
Dosage: Admin. im or iv. Anaplasmosis, heartwater: 2ml/30kg. Footrot, navel ill, joint ill, pneumonia: 1ml/30kg. Strangles: 1ml/30kg.
W/T: Meat 7 days.
C/I: Do not use milk for human consumption within 48 hours of treatment.
See also IDR page 314
HI-TET 200 LA GOLD, Elanco AH
Oxytetracycline 200mg/ml.
INJECTABLE SOLUTION G3731
Indications: Treatment of heartwater, anaplasmosis (tick-borne gallsickness), footrot, pneumonia, navel-ill and joint-ill in cattle, sheep and goats and pneumonia in swine. Treatment of pink eye (Infectious Bovine Keratoconjunctivitis) in cattle. –B, O, Cap, P. 100ml, 500ml

Dosage: B, O: High dose: 1,5ml/10kg bm im for 5-6 days antibiotic activity. Standard dose: 1ml/10kg bm for 3-4 days antibiotic activity. For severe infections, the treatment may be repeated after 72 hours (3 days) using the standard dose and after 144 hours (6 days) using the higher dose. Goats: 1ml/10kg bm deep im. In goats >50kg, divide the dose and admin. at 2 separate injection sites. Pigs: <10kg bm, admin. 1ml sc behind the ear. Do not admin. more than 0,5ml to piglets of <2kg bm. In heavier animals, admin. 1ml/10kg bm by deep im in the neck. In swine >100kg bm divide the dose and admin. at 2 separate injection sites. **W/T:** B, O: Meat – High dose 28 days. B, O, Cap, P: Standard dose 28 days. Milk – High dose 7 days. Standard dose 5 days. **C/I:** Do not admin. iv. **P/I:** Do not mix with other injectable solutions. See literature. **See also IDR page 314**

MAXITET 10 %, Kyron AH
Oxytetracycline 100mg/ml.
INJECTION G3857
Indications: For the treatment of heartwater, tick-borne gall sickness (anaplasmosis) pneumonia, footrot, joint-ill, navel-ill. –B, O, Cap. 100ml, 500ml
Dosage: 1ml/10kg bm sc, im or iv.
W/T: Meat 7 days. Milk 48 hours.
See also IDR page 446

MAXITET 13.5 %, Kyron AH
Oxytetracycline HCl 135mg/ml.
INJECTION G3586
Indications: Stock: For the treatment of heartwater, tick-borne gallsickness (anaplasmosis), pneumonia, navel-ill, joint-ill and footrot. E: Strangles. –B, Cap, O, P, E. 100ml, 500ml
Dosage: See literature.
W/T: Meat 28 days. Milk 7 days.
See also IDR page 447

MAXITET CTC 20 %, Kyron AH
Chlortetracycline 200g/1kg
GRANULES G4177
Indications: Broad spectrum antibiotic effective against both Gram-positive and Gram-negative pathogenic bacteria, including mycoplasma, chlamydia and rickettsia. It is active in control and treatment of chicken dysentery, and paratyphoid cholera in poultry and livestock. –B, Poultry. 25kg
Dosage: Use only as directed. Intended for further processing. Mix into feed before use. Feed continuously at the following levels of inclusion: Cattle, calves and poultry (broilers, layers, breeders) 1,5kg-2kg/ton feed. **W/T:** B: Meat during treatment, or for 7 days thereafter. Chicken: Meat during treatment, or for 4 days thereafter. **P/I:** Handle with care.
See also IDR page 448

MAXITET LA, Kyron AH
Oxytetracycline HCl 230mg/ml.
INJECTION G3580
Indications: B: Tick-borne gallsickness, heartwater, footrot, pneumonia, navel-ill, joint-ill. O, Cap: heartwater, footrot, pneumonia, navel-ill, joint-ill. P: footrot, pneumonia, navel-ill, joint-ill. 100ml, 500ml
Dosage: 1ml/10kg bm im. If necessary, give a 2nd injection after 72 hours. Pigs <10kg: inject sc.
W/T: Meat 28 days. Milk 5 days.
See also IDR page 448

MILDOX INJECTION, Elanco AH
Doxycycline hyclate 100mg/ml.
INJECTION G1845
Indications: E: Strangles. Stock: Heartwater, anaplasmosis, pneumonia, footrot, navel-ill and joint-ill. Infections with organisms sensitive to tetracyclines. –E, B, O, Cap, P, Can. 50ml
Dosage: Small animals: Bacterial infection: 2mg/kg bm iv/day for 3-5 days. Canine ehrlichiosis: 10mg/kg bm iv/day for 5 days. Large animals: Bacterial infection: 2-4ml/100kg bm im or iv (horses im only) per day for 3-5 days. Heartwater: 2ml/100kg bm of the 100mg/kg solution im or iv once only. Anaplasmosis: 4ml/100kg im/iv of the 100mg/kg solution. Repeat after 24 hours if necessary.
W/T: Meat 14 days. Milk 2 days.
C/I: Iv/sc use in horses.
See also IDR page 324

OVERMYCIN 125, Virbac
Oxytetracycline HCl 125mg/ml.
INJECTION G1955
Indications: Stock: Anaplasmosis, heartwater, pneumonia, footrot, joint-ill, navel-ill. E: Strangles. –B, E, O, Cap, P. 100ml, 500ml
Dosage: Animal, indication dependent. See literature.
C/I: Dogs.
W/T: Meat 7 days. Milk 48 hours.
See also IDR page 741

OXYTETRACYCLINE 5,5 %, Super Agri
Oxytetracycline 5,5%.
POWDER G1563
Indications: Broad spectrum antibiotic for the prevention and treatment of bacterial infection sensitive to oxytetracycline. –Poultry. 200g, 10kg, 20kg
Dosage: Poultry: Mix 2g/1L drinking water.
W/T: Broilers: Meat 7 days.

OXYTETRACYCLINE 20 %, Super Agri
Oxytetracycline 200g/kg.
PREMIX G2499
Indications: Prevention and treatment of bacterial infections sensitive to oxytetracycline. –P, Poultry. 20kg

Dosage: Pigs: 1kg/ton feed for 7-49 days. Broilers and turkeys: 1kg/ton feed for 7-10 days.
W/T: Meat 5 days.

PHENIX® CTC 20 %, Virbac
Chlortetracycline 200g (20%).
GRANULAR MEAL G2133
Indications: Pigs: As an aid in the control of diseases caused by chlortetracycline-sensitive organisms e.g. atrophic rhinitis; enzootic pneumonia; *Actinobacillus (Haemophilus)* pleuropneumoniae; necrotic enteritis. Fowl: For the treatment and control of susceptible gastro-intestinal and respiratory infections. Cattle: Recommended for oral administration via the feed as an aid in the prevention and control of disease in beef cattle, caused by organisms susceptible to chlortetracycline. Calves: An aid in the control of bacterial enteritis, primary or secondary bacterial pneumonia and other bacterial infections, particularly if the calf is subject to stress following housing changes, transportation or chilling. Control of disease sensitive to chlortetracycline. –B, P, Poultry. 25kg
Dosage: P: 2kg/ton feed. B, Calves: 1,5-2kg/ton feed. Poultry: 1,5-2kg/ton feed. Treat for 5-7 days.
C/I: Breeding animals; Laying fowls.
W/T: B, P: Meat 7 days. Poultry 4 days.
P/I: Access to medicated feed only during treatment.
See also IDR page 744

PHENIX® OXYTETRACYCLINE 20 % F.G. PMX, Phenix (Virbac)
Oxytetracycline 20% m/m.
PREMIX G2748
Indications: Poultry: P: Secondary bacterial infections following respiratory disease. P: Gastro-enteritis. Calves, lambs: Bacterial scours, Pasteurella. –B, O, P, Poultry. 25kg
Dosage: Calves/lambs: 0,25-1,5kg/ton feed. P: 0,5-2kg/ton feed. Poultry: 0,5-1kg/ton feed.
C/I: Breeding or dairy animals. Layer hens.
W/T: Meat 7 days.
See also IDR page 745

PROTET 10(20)%, Chemuniqué
Oxytetracycline 100(200)g/kg.
PREMIX G2022/2354
Indications: Secondary bacterial infections complicating primary respiratory infections; gastro-enteritis. –B, O, P, Poultry. 25kg
Dosage: Indication, animal dependent. See literature.
C/I & S/E: As for oxytetracyclines.
W/T: Meat 7 days. Eggs 2 days.

PULMODOX® 50 OSP, Virbac
Doxycycline hyclate 500mg/g.
POWDER G3195

Indications: Bacterial respiratory disease and bacterial gastrointestinal infections. –Poultry. 1kg
Dosage: 20mg doxycycline per kg bm per day in drinking water for 3-4 consecutive days. Medicated water should be consumed within 24 hours.
C/I: Do not admin. to hens laying eggs for human consumption.
W/T: Meat 12 days.
See also IDR page 753

REVERIN 135, Intervet SA, (MSD Animal Health)
Oxytetracycline HCl 135mg/ml.
INJECTION G3432
Indications: Tick-borne gallsickness (anaplasmosis), heartwater, pneumonia, footrot, joint-ill and navel-ill. –B, E, O, P.
Dosage: Im, sc or iv injection. See literature.
W/T: Meat 28 days. Milk 7 days.
See also IDR page 638

REVERIN LA 230, Intervet SA (MSD Animal Health)
Oxytetracycline HCl 230mg/ml.
LONG-ACTING INJECTABLE SOLUTION G3521
Indications: Treatment and control of conditions responding to oxytetracycline. B: Treatment of tick-borne gallsickness (anaplasmosis), heartwater, pneumonia, foot rot, joint ill and navel ill. O, Cap: Treatment of heartwater, pneumonia, foot rot, joint ill and navel ill. P: Treatment of pneumonia, foot rot, joint ill and navel ill. –B, O, Cap, P. 20ml, 25ml, 40ml, 100ml, 500ml, 1L
Dosage: Admin. 1ml/10kg bm im in the neck. Pigs <10kg bm injection sc. In adult animals split dose over 2 injection sites. Massage im injection sites to reduce discomfort and to disperse the antibiotic. Provides sustained blood-level concentrations for 3-5 days following 1 x im injection of 1ml/10kg bm. Continue treatment until total recovery.
W/T: Meat 56 days. Do not use milk for human consumption within 5 days of last treatment.
C/I: Do not admin. to piglets on the same day that they are injected with iron.
See also IDR page 639

SUPADOX 50, V-Tech
Doxycycline 500mg.
POWDER G4009
Indications: Antimicrobial. –Poultry. 500g, 1kg, 25kg
Dosage for in feed: 20mg/kg bm daily orally in the feed mixture. Admin. for 8 consecutive days. See literature.
W/T: Meat 5 days.
Dosage for in-water treatment: 20mg doxycycline/kg bm/day orally in the drinking water. Medication should be given for 5 consecutive days. Required quantity of Supadox™ 50 should be added to the water and mixed until the powder is completely

dissolved. A double dose on the 1st day of treatment is recommended.
W/T: Meat 5 days.
See also IDR page 779

TENALINE LA, Ceva AH
Oxytetracycline 200mg/ml.
INJECTION G2436
Indications: B, O, Cap: Tick-borne gallsickness, Heartwater, pneumonia, footrot, joint-ill, navel-ill, pink eye. P: Pneumonia, joint-ill, navel-ill. –B, O, Cap, P. 100ml, 500ml
Dosage: B, O, Cap: Piglets <2kg; 0,5ml sc behind the ear; 1ml/2kg-10kg bm im. P: 1ml/10kg bm im.
W/T: Meat 21 days. Milk 8 days.
C/I: Do not inject piglets with iron preparations on the same day.
See also IDR page 233

TERRALON® LA, Virbac
Oxytetracycline (as dihydrate) 200mg/ml.
INJECTABLE SOLUTION G2676
Indications: Heartwater, anaplasmosis, pneumonia, footrot, joint-ill, navel-ill, pink eye. –B, Cap, O, P. 100ml, 250ml, 500ml
Dosage: 20mg/kg bm deep im. B: Repeat after 72 hrs if necessary. Max. 15ml/inject. site if >150kg bm. Cap, P: Repeat after 72 hrs if necessary. Max. 7ml/inject.site. O: Repeat after 60 hrs if necessary. Max. 7ml/inject. site. Anaplasmosis: Treat for 10-14 days. **S/E:** Slight irritation at injection site. Small drop in milk production. Hypersensitivity.
C/I: Cats, dogs, horses: Known hypersensitivity. Impaired liver/kidney function.
W/T: B: Meat 30 days. Milk 6 days. P: Meat 22 days. O: Meat 22 days. Milk 6 days. Cap: Meat 30 days. Milk 8 days.

P/I: Serious anaphylactic reaction: admin. adrenaline, antihistamines, corticosteroids. Use only when clearly indicated in last half of pregnancy.
See also IDR page 762

TERRAMYCIN 100 INJECTABLE SOLUTION, Zoetis
Oxytetracycline HCl 100mg/ml.
INJECTION G0004
Indications: B, Cap, O, P: Anaplasmosis, heart-water, pneumonia, footrot, navel-ill, joint-ill. E: Strangles. –B, Cap, O, P, E. 50ml,100ml, 250ml

Dosage: 1ml/10kg bm sc, im, iv. Anaplasmosis, heart-water: Daily as required. Other: Daily for 3-4 days.
C/I: Do not use in dogs.
W/T: Meat 7 days. Milk 48 hours.
See also IDR page 880

TERRAMYCIN LA INJECTABLE SOLUTION, Zoetis
Oxytetracycline 200mg/ml.
INJECTION G0333

Indications: B: Anaplasmosis, heartwater, pneumonia, footrot, navel/joint-ill, pink eye. Cap, O: Heartwater, pneumonia, footrot, joint/ navel-ill. P: Pneumonia, joint/navel-ill. –B, Cap, O, P. 20ml, 100ml, 500ml
Dosage: 1ml/10kg bm im or sc (pigs <10 kg). Repeat after 72 hours if necessary.
W/T: Meat 28 days. Milk 5 days.
C/I: Do not use in dogs.
See also IDR page 881

TM O, Animate AH
Oxytetracycline 200g/kg.
PREMIX G3628
Indications: Calves, P, Poultry: Treatment of secondary bacterial infections that complicate primary respiratory infections, sensitive to tetracyclines. Calves, Lambs, P: Gastro-enteritis caused by organisms sensitive to tetracyclines. –B, P, Poultry. 25kg
Dosage: Treat for 7-14 days. Calves, lambs: 0,25-1,5kg/ton feed. P: 0,5-2kg/ton feed. Poultry: 0,5-1kg/ton feed.
W/T: Meat 7 days.
See also IDR page 79

TYLODOX, Medpet
Each 5g contains: Doxycycline HCl 250mg, tylosine tartrate 1 000mg, vitamins A 2 000iu, E 12mg, B1 2,5mg, B2 3,3mg, B6 2,5mg, K3 7,5mg. Excipients.
POWDER G 4135
Indications: Combination respiratory remedy for the treatment of mycoplasmosis, chlamydia and ornithosis. –Pigeons. 100g
Dosage: 1 heaped measure (5g measure included) per 2L drinking water for 3-7 days.

ULTRATET, Afrivet
125mg oxytetracycline/ml.
INJECTION G296
Indications: For the treatment of tick-borne gallsickness (anaplasmosis), heartwater, pneumonia, footrot, joint-ill and navel-ill in cattle, sheep, goats and pigs, as well as strangles in horses. –E, B, O, Cap, P. 100ml, 500ml
Dosage: Im, sc or slow iv. See literature for dosage/animal and disease.
W/T: Meat 7 days. Milk 48 hours.
P/I: Not more than 10ml per any one site. Inject only into neck muscles in animals intended for slaughter for human consumption. Iv injection should be done slowly into the chosen vein. At the first sign of discomfort, stop the injection immediately.
See also IDR page 53

ULTRATET LA, ECO (Afrivet)
Oxytetracycline HCl 230mg/ml.
INJECTION G2857
Indications: Treatment of tick-borne gallsickness, heartwater, footrot, pneumonia, navel-ill and joint-ill in livestock. –B, Cap, O, P. 100ml, 500ml

Dosage: 1ml/10kg.
C/I: Do not admin. to piglets on same day that they are injected with iron.
W/T: Milk 5 days. Meat 28 days.
See also IDR page 53

ULTRATLEX LA 200, Afrivet
200mg oxytetracycline/ml.
INJECTION G3559
Indications: For the treatment of tick-borne gallsickness (anaplasmosis), heartwater, pneumonia, footrot, joint-ill and navel-ill and pink eye (infectious bovine keratoconjunctivitis) in cattle, sheep and goats and pink eye (infectious bovine keratoconjunctivitis) in cattle and treatment of pneumonia, joint-ill and navel-ill pigs. –B, O, Cap, P.
100, 500ml
Dosage: Cattle, sheep and goats: 1ml/10kg bm – deep im injection. Piglets up to 2kg bm: 0,25ml by sc injection. Piglets up to 20kg bm: 1ml/animal – sc injection. Pigs more than 20kg bm: 1ml/10kg bm – deep im injection.
Storage instructions: Store at 5-25°C in a dry place, out of direct sunlight
C/T: Do not use in dogs and horses.
W/T: Milk 5 days. Meat 28 days.
See also IDR page 54

15.1.3. Aminoglycosides

APRAVET 552 IU/MG, Huvepharma
Apramycin 552iu/mg.
(S4) POWDER 20/17.1.3/07
Indications: An aid in the treatment of *Escherichia coli*, septicaemia, salmonellosis septicaemia, and salmonellosis in broiler chickens and of other apramycin-susceptible bacterial infections. –Poultry.
90,58g, 1 811,6g
Dosage: The drinking water should be medicated at 250mg/L or 500mg/L, depending on the severity of the disease. One bottle is sufficient to treat 100-200L water. Dosing formula: See literature.
C/I: Do not use in laying hens and within 4 weeks before the onset of the laying period. Not for use in birds producing or intended to produce eggs for human consumption. Do not use in animals suffering from kidney disorders.
See also IDR page 374

PAROFOR CRYPTO 140 MG/ML, Huvepharma
Paromomycin sulfate 140 mg/ml.
(S4) ORAL SOLUTION 19/17.1.3/10
Indications: Reduction in the occurrence of diarrhoea due to diagnosed *Cryptosporidium parvum*. Only indicated for use in pre-ruminant calves. –B.
250ml, 1L
Dosage: Provide sufficient colostrum. 2,5ml/kg bm/day for 7 consecutive days. The consecutive treatment should be done at the same time each day. See literature.
W/T: Meat and offal 62 days.

C/I: Do not use in ruminating animals. Do not use in cases with impaired function of the kidneys or liver, paromomycin can cause oto- and nephrotoxicity. Do not admin. to animals younger than 3 days. Do not admin. in pregnant or lactating cattle.
P/I: Calves should only receive the product upon confirmation of cryptosporidium oocysts in their faeces and before the onset of diarrhoea.
See also IDR page 386

15.1.4. Macrolides, lincosamides, ketolides and pleuromutilins

AIVLOSIN FG 50, ECO (Afrivet)
Acetyl-isovaleryl-tylvalosin tartrate 50g/kg.
PREMIX G2851
Indications: Aid in the control of mycoplasmosis in broiler chickens and replacement pullets. Aid in control of swine enzootic pneumonia in pigs. –P, Poultry.
20kg
Dosage: Poultry: 4kg/ton. Pigs: 0,4-1kg/ton.
C/I: Do not use in laying hens where eggs are to be used for human consumption.
W/T: Meat 5 days.
P/I: Avoid contact with skin/eyes. Wash thoroughly after handling product. In case of accidental eye contact, rinse thoroughly with water.
See also IDR page 4

AIVLOSIN WATER SOLUBLE POWDER, ECO (Afrivet)
Acetyl-isovaleryl-tylvalosin tartrate 850mg/g.
POWDER G1598
Indications: Prevention of mycoplasmosis in broiler chickens and replacement pullets. –Poultry.
25g sachets
Dosage: Prophylactic 25g/200L water for 3-5 days. Therapeutic medication: 25g/100L water for 3 days. See literature.
C/I: Not for laying hens producing eggs for human consumption.
W/T: Meat 5 days.
See also IDR page 5

DENAGARD 10% FEED PREMIX, Elanco AH
Tiamulin hydrogen fumarate 100g/kg.
(S4) FEED PREMIX GRANULES 83/478
Indications: P: Treatment and prophylaxis of swine dysentery caused by *Brachyspira hyodysenteriae* and complicated by *Fusobacterium* spp. and *Bacteroides* spp. Treatment and prophylaxis of swine Mycoplasmal pneumonia and *Actinobacillus pleuropneumoniae*. Poultry: Treatment and prophylaxis of CRD (mycoplasmosis) in chickens and turkeys, infectious synovitis and infectious sinusitis in turkeys. –P, Poultry.
10kg
Dosage: See literature.

C/I: Do not admin. concomitantly with products containing monensin, narasin or salinomycin.
W/T: P: Meat and offal 4 days. Fowls: Meat and offal 2 days. Turkeys: Meat and offal 4 days; Eggs 0 days.
See also IDR page 300

DENAGARD 45% GRANULATE, Elanco AH
Tiamulin hydrogen fumarate 450mg/g.
(S4) GRANULATE 83/21.1/482
Indications: P: For the treatment of swine dysentery caused by *Brachyspira hyodysenteriae*, whether or not complicated by *Fusobacterium* spp. For the treatment of and the reduction of the symptoms (e.g. coughing, nasal discharge, elevated temperature, decreased feed intake, mass loss) of enzootic pneumonia of mild to chronic severity, caused by *M. hyopneumoniae*, whether or not complicated by *M. hyorhinis* and *Haemophilus* spp., in pigs. Poultry: For the prevention and treatment of diseases of the respiratory tract caused by mycoplasmas in chickens and turkeys and bacterial infections caused by tiamulin-susceptible bacteria. Chickens: Mycoplasmosis, infectious synovitis, chryza. Turkeys: Infectious sinusitis. –P, Poultry.
1,112kg
Dosage: See literature.
C/I: Do not admin. concomitantly with products containing monensin, narasin or salinomycin.
W/T: Poultry: Meat and eggs 3 days. P: Meat 5 days.
See also IDR page 302

DRAXXIN, Zoetis
Tulathromycin 100mg/ml.
(S4) INJECTION A05/17.1.4/02
Indications: B: Treatment and prevention of Bovine Respiratory Disease associated with *Mannheimia haemolytica*, *Pasteurella multocoda*, *Histophilus somni* and *Mycoplasma bovis*. Treatment of infectious kerato conjunctivis (IBK) associated with *Moraxella bovis* and *Neisseria* spp. P: Treatment of swine respiratory disease associated with *Actinobacillus pleuropneumoniae*, *Pasteurella multocoda* and *Mycoplasma hypopneumoniae*. –B, P.
50ml, 100ml, 250ml and 500ml
Dosage: B: 2,5mg/kg bm sc once only. P: 2,5mg/kg bm im once only (1ml/40kg bm).
W/T: B: Meat and offal 40 days. P: Meat and offal 30 days.
C/I: Do not use in lactating cows producing milk for human consumption.
P/I: The safety during pregnancy and lactation has not been established. Avoid contact with skin/eyes. Wash thoroughly after handling product.
See also IDR page 823

DRAXXIN PLUS, Zoetis
Tulathromycin 100mg/ml. Ketoprofen 120mg/ml.
(S4) INJECTION C21/17.1.4/05
Indications: B: Treatment of bovine respiratory disease associated with pyrexia due to *Mannheimia haemolytica*, *Pasteurella multocoda*, *Histophilus somni* and *Mycoplasma bovis* susceptible to tulathromycin. –B.
50ml, 100ml, 250ml
Dosage: B: Sc use. A single sc injection of 2,5mg tulathromycin/kg bm and 3mg ketoprofen/kg bm (equiv. to 1ml/40kg bm). For treatment of cattle over 400kg bm, divide the dose so that no more than 10ml are injected at one site.
W/T: B: Meat and offal 50 days. Not authorised for use in cattle producing milk for human consumption. Do not use in pregnant animals, which are intended to produce milk for human consumption, within 2 months of expected parturition.
C/I: Do not use in cases of hypersensitivity to the active substances or to any of the excipients. Do not use simultaneously with other macrolides or lincosamides. Do not admin. to animals suffering from gastrointestinal lesions, haemorrhagic diathesis, blood dyscrasia or hepatic, renal or cardiac conditions.
P/I: Avoid use in dehydrated, hypovolaemic or hypotensive animals which require parenteral rehydration, as there may be a potential risk of renal toxicity. Intra-arterial and intra-venous injection should be avoided. The safety during pregnancy and lactation has not been established. Avoid contact with skin/ eyes. Wash thoroughly after handling.
See also IDR page 825

KITABAC®, Bupo
Kitasamycin 11 g.
PREMIX POWDER G4050
Indications: Effective for the prevention and treatment of diseases caused by organisms susceptible to Kitasamycin. It assists in the treatment of chronic respiratory disease in poultry, enzootic pneumonia and vibrio dysentery in swine. A broad spectrum antibiotic effective against *Mycoplasma* spp., Gram-positive and Gram-negative bacteria in swine and poultry. –P, Poultry.
25g, 50g, 100g, 1kg, 20kg.
Dosage: Admin. orally mixed with drinking water or feed. See literature.
W/T: P: Meat 2 days. Poultry: Meat 1 day.
C/I: Do not admin. to fowls producing eggs for human consumption.
See also IDR page 172

KITASAMYCIN WS, Super Agri
Kitasamycin tartrate 10% m/m.
PREMIX G1904
Indications: Pigs: Prevention and treatment of swine dysentery and pneumonia.

Poultry: Prevention and treatment of chronic respiratory disease. –P, Poultry.
100g, 1kg, 10kg, 25kg
Dosage: P: Prevention: 100-200 ppm intermittently for 2-3 days. Treatment: 100-200 ppm for 3-5 days. Poultry: Prevention: 250-500 ppm intermittently for 1-3 days. Treatment: 250-500 ppm for 3-5 days.
W/T: Eggs 5 days.

KITASAMYCIN 10 %, Super Agri
Kitasamycin 10% m/m.
PREMIX G1905
Indications: P, Poultry: Growth promotion. P: Improvement of weight gain and feed efficiency in the presence of swine, enzootic pneumonia, and the prevention and treatment of swine dysentery. Poultry: Prevention and treatment of mycoplasmosis (CRD). –P, Poultry.
25kg
Dosage: Broilers, layers, and breeders: Growth promotion and feed efficiency: 55-110g/ton feed continuously. Prevention of CRD: 1100-2200g/ton feed for 5-7 days from day old and again for 5-7 days at 3-4 weeks old. Treatment of CRD: 2200-5500g/ton feed for 5-7 days. P: Growth promotion and improved feed efficacy: Under 2 months: 55-1000g/ton feed continuously. 2-4 months: 55-550g/ton feed continuously. Over 4 months: 55-200g/ton feed continuously. Swine dysentery prevention: 440-880g/ton feed continuously. Treatment: 660g-1kg/ton feed for 2-6 weeks.
W/T: Meat 0 days.

MACROSYN 100 MG/ML, Afrivet
Tulathromycin 100mg/ml.
(S4) INJECTION 21/17.1.4/29
Indications: B: Treatment and prevention of bovine respiratory disease and infectious bovine keratoconjunctivitis. O: Treatment of the early stages of infectious footrot. P: Treatment of swine respiratory disease. –B, O, P.
50ml, 100ml, 250ml, 500ml
Dosage: B: 1ml/40kg bm sc x 1. O & P: 1ml/40kg bm im in the neck x 1. See literature.
W/T: B: Meat and offal 40 days. O: Meat and offal 16 days. P: Meat and offal 30 days.
C/I: Do not use in lactating animals producing milk for human consumption. Do not use in pregnant animals, which are intended to produce milk for human consumption, within 2 months of expected parturition.
P/I: Do not use 500ml vials in sheep and pigs. Use within 28 days after opening.
See also IDR page 40

MICOTIL 300, Elanco AH
Tilmicosin 300mg/ml.
(S4) INJECTION C89/17.1.4/8
Indications: Bovine respiratory disease. –B.
100ml, 250ml

Dosage: Only admin. to cattle with bm >70kg. 1ml/30kg bm sc. Max. 25ml/inj. site.
S/E: Mild, transient swelling at injection site. Im injection may cause tissue necrosis.
C/I: Do not admin. iv – can be fatal. Not for pigs or lactating cows.
Human safety warning: Not for human injection. Injection of this drug in humans has been associated with fatalities as a result of cardiotoxicity. Do not use in automatic syringes. Exercise extreme caution to avoid accidental self-injection. In case of self-injection, consult a physician immediately and apply ice to the injection site.
W/T: Meat 28 days.
See also IDR page 319

PHARMASIN 100 %, Huvepharma
Tylosin tartrate 100% w/w.
SOLUBLE GRANULES G4465
Indications: P: Treatment and prevention of enzootic pneumonia caused by *Mycoplasma hyopneumoniae* and *Mycoplasma hyorhinis* when disease has been established in the herd. Treatment and prevention of Porcine Intestinal Adenomatosis (Ileitis) associated with *Lawsonia intracellularis* when the disease has been established in the herd. Broilers and replacement pullets: Treatment and prevention of chronic respiratory disease (CRD) caused by *Mycoplasma gallisepticum* and *Mycoplasma synoviae* when the disease has been established in the flock. Treatment and prevention of necrotic enteritis caused by *Clostridium perfringens* when the disease has been established in the flock. Turkeys: Treatment and prevention of infectious sinusitis caused by *Mycoplasma gallisepticum* when the disease has been established in the flock. –P, Poultry.
110g
Dosage: For oral admin. through drinking water. Pigs: Enzootic pneumonia: Dissolve 1 jar in 370L drinking water. Admin. for 10 days. Ileitis: Dissolve 1 jar in 830L drinking water. Admin. for 7 days. Broilers and replacement pullets: CRD: Dissolve 1 jar in 200L drinking water. Admin. for 3-5 days. Necrotic enteritis: Dissolve 1 jar in 1 000L drinking water. Admin. for 3 days. Turkeys: Dissolve 1 jar in 200L drinking water. Admin. for 3-5 days.
W/T: P: Meat and offal 1 day. Chickens: Meat and offal 3 days. Turkeys: Meat and offal 3 days.

C/I: Do not use in animals vacc. with tylosin-sensitive vacc. either at the same time or within 1 week previously. Do not use in animals with hepatic disorders.
See also IDR page 387

TIAMULIN 45 % GRANULES HUVE, Huvepharma
Tiamulin hydrogen fumarate 450mg/g.
(S4) GRANULATE 20/17.1.4/13

Indications: P: Treatment of swine dysentery caused by *Brachyspira hyodysenteriae*, of porcine colonic spirochaetosis (colitis) caused by *Brachyspira pilosicoli*, and of porcine proliferate enteropathy (ileitis) caused by *Lawsonia intracellularis* susceptible to Tiamulin 45% Granules Huve. Treatment and metaphylaxis of enzootic pneumonia caused by *Mycoplasma hyopneumoniae*, including infections complicated by *Pasteurella multocida* and of pleuropneumonia caused by *Actinobacillus pleuropneumoniae* susceptible to Tiamulin 45% Granules Huve. Chickens: Treatment and metaphylaxis of chronic respiratory disease caused by *Mycoplasma gallisepticum*, airsacculitis and infectious synovitis caused by *Mycoplasma synoviae*, susceptible to Tiamulin 45% Granules Huve. Turkeys: Treatment and metaphylaxis of infectious sinusitis and air sacculitis caused by *Mycoplasma gallisepticum*, *Mycoplasma synoviae* and *Mycoplasma meleagridis*, susceptible to Tiamulin 45% Granules Huve. The presence in the herd for all the above must be established before the use of Tiamulin 45% Granules Huve. –P, Poultry, 1 kg

Dosage: See literature.

C/I: Do not use concomitantly in pigs and birds that could receive products containing monensin, narasin or salinomycin or at least 7 days before or after treatment with Tiamulin 45% Granules Huve. Do not use in animals with known hypersensitivity to Tiamulin 45% Granules Huve or any of the excipients.

W/T: Pigs: Meat and offal 2 days if 8,8mg tiamulin hydrogen fumarate/kg bm. Meat and offal 4 days – 20mg tiamulin hydrogen fumarate/kg bm. Poultry: Meat and offal 2 days; Eggs 0 days. Turkeys: Meat and offal 6 days.

TILMOVET 200 G/KG PREMIX, Huvepharma
Tilmicosin 200g/kg.

(S4) PREMIX 19/17.1.4/12

Indications: Indicated for the control of swine respiratory diseases associated with *Actinobacillus pleuropneumoniae* and *Pasteurella multocida*. –P, 1kg, 5kg, 20kg

Dosage: Mix thoroughly in feed. Admin. in feed at a dose of 8-16 mg/kg bm/day of tilmicosin. See literature.

W/T: Pigs: Meat and offal 14 days.

C/I: Do not use simultaneously with other macrolides and lincosamides. Do not use simultaneously with bacteriostatic antimicrobial agents. Do not use in feed containing bentonite.

See also IDR page 390

TILMOVET 250 MG/ML ORAL SOLUTION, Huvepharma
Tilmicosin 250mg/ml.

(S4) ORAL SOLUTION 20/17.1.4/15

Indications: P: Treatment and prevention of respiratory infections associated with *Mycoplasma hyopneumoniae*, *Pasteurella multocida* and *Actinobacillus pleuropneumoniae*. Poultry: Treatment and control of respiratory infections associated with *Mycoplasma gallisepticum*, *Mycoplasma synoviae* and other tilmicosin sensitive organisms. –P, Poultry, 960 ml

Dosage: Dilute in water before admin. Prepare fresh solution daily. Pigs: 15-20mg tilmicosin/kg bm for 5 days. Poultry 15-20mg tilmicosin/kg/bm for 3 days. See literature.

W/T: Pigs: Meat and offal 14 days. Fowls: Meat and offal 12 days.

C/I: Do not admin. to pigs in a wet feeding system. Do not use concurrently with bacteriostatic antimicrobial agents.

★ **TILMOVET 300 MG/ML, Huvepharma**
Tilmicosin 300mg/ml.

(S4) INJECTION 20/21.1/16

Indications: Indicated for the treatment of bovine respiratory disease (BRD) associated with *Mannheimia haemlytica* and *Pasteurella multocida*. –B, 100ml, 250ml

Dosage: Neonatal calves and feedlot cattle 10mg sc/kg bm (corresponding to 1ml per 30kg bm). See literature.

W/T: Meat and offal 28 days.

C/I: Do not admin. iv or im. Do not admin. to pigs, goats, horses, donkeys, primates. Do not use during pregnancy. Do not use in lactating dairy cattle. Human safety warning – injection of tilmicosin in humans has been associated with fatalities as a result of cardiotoxicity. Do not use automatic injection equipment. In case of self-injection seek immediate medical attention. Apply a cold pack (not ice directly) to the injection site.

See also IDR page 392

TULAVEN®, Ceva AH
Tulathromycin 100mg/ml.

(S4) SOLUTION FOR INJECTION 20/17.1.4/08

Indications: B: Treatment of respiratory infections associated to strains sensitive to tulathromycin. Treatment of infectious bovine keratoconjunctivitis (IBK) associated with *Moraxella bovis*. P: Treatment of swine respiratory disease (SRD) associated with *Actinobacillus pleuropneumoniae*, *Pasteurella multocida*, *Mycoplasma hyopneumoniae*, *Haemophilus parasuis* and *Bordetella bronchiseptica*. –B, P, 20ml, 50ml, 100ml, 250ml, 500ml

Dosage: B: 1ml sc/40kg bm. P: 1ml im/40kg bm in the neck. See literature.

W/T: B: Meat and offal 40 days. P: Meat and offal 30 days.

C/I: Do not use in lactating cattle producing milk for human consumption. Do not use in pregnant cows or heifers which are intended

to produce milk for human consumption within 2 months of expected parturition.

See also IDR page234

TULISSIN 100, Virbac
Tulathromycin 100mg/ml.

(S4) SOLUTION FOR INJECTION 19/17.1.4/20

Indications: B: Treatment and prevention of bovine respiratory disease (BRD) associated with *Mannheimia haemolytica*, *Pasteurella multocida*, *Histophilus somni* and *Mycoplasma bovis*. Treatment of infectious bovine keratoconjunctivitis (IBK) associated with *Moraxella bovis* and *Neisseria* spp. P: Treatment of swine respiratory disease (SRD) associated with *Actinobacillus pleuropneumoniae*, *Pasteurella multocida* and *Mycoplasma hyopneumoniae* sensitive to tulathromycin. –B, P, 100ml, 250ml and 500 ml

Dosage: B: Admin. 1ml/40kg bm sc. B >400kg bm: divide the dose so that no more than 10ml are injected at one site. P: Admin. 1ml/40kg bm im in the neck. P >80kg bm, divide the dose so that no more than 2 ml are injected at one site. Presence of disease in the herd should be established before preventative treatment can be employed.

W/T: B: Meat and offal 40 days. P: Meat and offal 30 days.

C/I: Do not use in case of hypersensitivity of the target animals to macrolide antibiotics. Do not use the product simultaneously with other macrolides or lincosamides. Do not use in lactating animals producing milk for human consumption. Do not use during pregnancy and lactation.

See also IDR page 763

TYLAN 100™, Elanco AH
Tylosin 10% m/m.

PREMIX G0546

Indications: For use in pig, beef cattle, and laying hen feeds only. P: An aid in the control of ileitis associated with *Lawsonia intracellularis*. B: To reduce the incidence of liver abscess caused by *Sphaerophorus necrophorus* and *Corynebacterium pyogenes*. Laying hens: For treatment of *Mycoplasma gallisepticum* positive flocks. –B, P, Poultry, 25kg

Dosage: P: Creep 400g/ton feed. Grower: 200-400g/ton feed. Finisher: 200g/ton feed. B: 100g/ton feed. Layers: 500g/ton feed.

See also IDR page 348

TYLAN SOLUBLE, Elanco AH
Tylosin 77-95% m/m.

POWDER G0621

Indications: Prevents mycoplasmosis in broiler chickens and replacement pullets. –Poultry, 100g

Dosage: Mix 100g/200L water. Use 3 days post-placement. Repeat for 24 hours 3-4 weeks later.

W/T: Meat 3 days.

P/I: Use as only water for period of treatment.

See also IDR page 348

TYLOBIOTIC, Medpet
Tylosine tartrate 10%, vitamins A 1%, D3 0,12%, E 1%, B1 0,2%, B2 0,2%, B6 0,2%, B12 0,0005%, nicotinamide 1,5%, calcium pantothenate 0,5% m/m.

POWDER G1605

Indications: Control of mycoplasmosis. –Pigeons, 200g

Dosage: 5g/1L drinking water. Change medicated water daily. Treat 1 x per month preventively or when symptoms appear.

W/T: Meat 3 days.

TYLOSIN TARTRATE PURE PHENIX®, Virbac
Tylosin tartrate 100% m/m.

POWDER G1043

Indications: Prevention of mycoplasmosis in broilers and replacement pullets. –Poultry, 100g

Dosage: 100g/200L water. Supply as only source of drinking water for first 3 days of life and for 24 hrs 3-4 weeks later. Replacement pullets may be treated for 24-48 hrs after stress.

W/T: Meat 3 days.

See also IDR page 765

TYLO-TEN, Animate AH
Tylosin phosphate 100g/kg.

PREMIX G4165

Indications: For use in feed of pigs, layer birds, broilers and beef cattle for the prevention and treatment of infections caused by tylosin-sensitive pathogenic microorganisms. Chickens: As an aid in the control of mycoplasmosis; for improved rate of mass gain and feed efficiency in broilers; for increased egg production and feed efficiency in layers; as an aid in the control of dysbacteriosis/enteritis caused by *Clostridium perfringens*. Pigs: For improved rate of mass gain and feed efficiency; an aid in the control of proliferative enteropathies (Ileitis) associated with *Lawsonia intracellularis*. Cattle: For the prevention of liver abscesses (caused by *Fusobacterium necrophorum* and *Trueperella pyogenes*) in calves for fattening; for improved rate of mass gain and feed efficiency. –B, P, Poultry, 20kg

Dosage: See literature for full regimen.

C/I: Do not use in dairy cattle from which the milk is intended for human consumption or technological processing. Do not use Tylosin in feed containing bentonite.

W/T: Meat 0 days. Eggs 0 days.

P/I: When used in pig feed, oedema of the rectal mucosa and mild anal protrusion with pruritis, erythema and diarrhoea may occur.

See also IDR page 79

TYLOVET® 10 %, Huvepharma
Tylosin phosphate 100g/kg.

PREMIX G3770

Indications: B, P, Calves, Broilers: Improved rate of mass gain and feed efficiency. Layers: Increased egg production and feed efficiency. Calves: Prevention of liver abscesses caused by *Fusobacterium necrophorum* and *Arcanobacterium pyogenes*. Poultry: Control of mycosplasmosis. –B, P, Poultry, 20kg

Dosage: P: Improved mass gain and feed efficiency 200-400g/ton feed. B: Improved mass gain and feed efficiency and prevention of liver abscesses: 80-100g/ton feed continuously. Broilers: Improved mass gain and feed efficiency 50g/ton feed. Poultry: Prevention of mycoplasmosis: 220-500g/ton feed. Layers: Improved feed efficiency and increased egg production 220-500g/ton feed.

C/I: Do not use in dairy cattle where the milk is intended for human consumption or technological processing. Do not use Tylosin in feed containing bentonite.

W/T: Poultry: Meat 1 day. B, P: Meat 0 days. Layers: Eggs 0 days.

P/I: When used in pig feed, oedema of the rectal mucosa and mild anal protrusion with pruritis, erythema and diarrhoea may occur.

See also IDR page 394

ZACTRAN®, Boehringer
Gamithromycin 150mg/ml.

(S4) INJECTION C09/17.1.9/21

Indications: Preventive and therapeutic and treatment of BRD associated with *Mannheimia haemolytica*, *Pasteurella multocida* and *Histophilus somni*. Establish presence of the disease in the herd before applying preventive treatment. –B, 100ml, 250ml, 500ml

Dosage: B: 1ml/25kg bm sc in the neck. In cattle over 250kg bm, admin. max. 10ml/site. Discard any unused portion.

W/T: Meat and offal 49 days. Do not use in lactating cattle producing milk for human consumption.

C/I: Do not use in pregnant cows or heifers, which are intended to produce milk for human consumption within 2 months of expected parturition.

P/I: The safety of the product during pregnancy and lactation has not been established. May be potentially cardiotoxic in case of accidental self-injection.

See also IDR page 167

ZUPREVO® 4 %, Intervet SA (MSD Animal Health)
Tildipirosin 40mg/ml.

(S4) SOLUTION FOR INJECTION 13/17.1.4/05

Indications: Indicated for the treatment of Swine Respiratory Disease (SRD) associated with *Actinobacillus pleuropneumoniae*, *Pasteurella multocida*, *Bordetella*

bronchiseptica and *Haemophilus parasuis*, sensitive to tildipirosin. –P, 1 x 100 ml.

Dosage: 1ml im/10kg bm 1 x only. See literature.

W/T: Meat and offal 9 days.

C/I: Do not use in piglets less than 4 weeks of age. Do not use during pregnancy and lactation. Do not use in cases of hypersensitivity to macrolide antibiotics, citric acid monohydrate or propylene glycol. Do not admin. iv.

See also IDR page 663

ZUPREVO® 18 %, Intervet SA (MSD)
Tildipirosin 180mg/ml.

(S4) INJECTION C13/17.1.4/01

Indications: For the treatment and metaphylactic management of bovine respiratory disease (BRD) associated with *Mannheimia haemolytica*, *Pasteurella multocida* and *Histophilus somni* sensitive to tildipirosin. The presence of the disease in the herd should be confirmed before preventive treatment is initiated. –B, 1 x 20ml, 50ml, 100ml or 250ml vial

Dosage: 1ml/45kg bm sc once only. For treatment of cattle over 450kg bm, divide the dose so that no more than 10ml are injected at one site.

W/T: Meat and offal 47 days.

C/I: Do not use in cases of hypersensitivity to macrolide antibiotics, citric acid monohydrate or propylene glycol. Do not use in lactating cattle producing milk for human consumption. Do not use in pregnant animals, which are intended to produce milk for human consumption, within 2 months of expected parturition.

See also IDR page 664

15.1.5. Amphenicols

AQUAFLO® 50 % PREMIX, Intervet SA (MSD Animal Health)
Florfenicol 500g/kg, lactose monohydrate 470mg/g.

(S4) PREMIX 09/17.1/15

Indications: Indicated for the treatment of diseases of fish caused by bacteria susceptible to florfenicol. For use in trout, tilapia and catfish. Begin treatment once disease has been appropriately diagnosed. –Fish, 2kg

Dosage: Use a suitable horizontal or vertical mechanical feed mixer to incorporate the product into the feed. Add the product to the mixer containing the feed ingredients and mixed thoroughly. Mix into unmedicated feed prior to pelleting or use to surface coat pelleted feed. Feed mixture should deliver 10mg florfenicol/kg bm. Admin. medicated feed for 10 consecutive days. See literature.

W/T: Warm water species (channel catfish and tilapia): 12 days. Cold water species (trout): 15 days.

C/I: The safety of florfenicol in fish used for breeding purposes has not been evaluated.
See also IDR page 469

FLORKEM, Ceva AH
Florfenicol 300mg/ml.
(S4) INJECTION C13/17.1/10
Indications: Diseases caused by florfenicol susceptible bacteria. – B, O, P.
Cattle: Indicated for the treatment and control of bovine respiratory disease (BRD) associated with *Mannheimia haemolytica*, *Pasteurella multocida*, *Mycoplasma bovis* and *Histophilus somni*. The metaphylactic use should be reserved for cattle at high risk of developing BRD associated with florfenicol sensitive bacteria. For the treatment of bovine interdigital phlegmon (foot rot, acute interdigital necrobacillosis, infectious pododermatitis) associated with *Fusobacterium necrophorum* and *Prevotella melanigenica*. Swine: Treatment of infections due to florefenicol sensitive bacteria and acute outbreaks of respiratory disease caused by strains of *Actinobacillus pleuropneumoniae*, *Pasteurella multocida* and *Mycoplasma hyopneumonia*. Sheep: Treatment of ovine respiratory disease (ORD) associated with *Mannheimia haemolytica* and *Pasteurella multocida*. – B, P, O.
20ml, 50ml, 100ml, 250ml and 500ml
Dosage: B: Admin. in the neck either im or sc as follows: Im: 1ml/15kg bm 2 x 48 hours apart. Sc: 40mg/kg bm as a single injection. The volume admin. per site should not exceed 10ml. P: Im into the neck: 1ml/20kg bm 2 x 48 hours apart. The volume admin. per site should not exceed 3ml. O: Im: 1ml/15kg bm into the neck once daily for 3 consecutive days. To ensure correct dosage body mass should be determined as accurately as possible to avoid underdosing. See literature.
W/T: B: Meat: 30 days after the last im treatment and 44 days after sc treatment. P: Meat 21 days. O: Meat 37 days.
C/I: Do not use in adult bulls or boars intended for breeding purposes. Do not use in cattle producing milk for human consumption. Do not use in cases of hypersensitivity to the active substance or to any of the excipients. The safety on bovine, porcine and ovine reproductive performance and pregnancy and lactation has not been assessed. See literature.

See also IDR page 220

NUFLOR, Intervet SA (MSD Animal Health)
Florfenicol 300mg/ml.
(S4) INJECTION C96/17.1.5/1
Indications: B: For the treatment of bovine respiratory disease associated with bacteria susceptible to florfenicol, including *Mannheimia haemolytica*, *Mycoplasma bovis* and *Pasteurella multocida* and for the treatment of bovine interdigital phlegmon

(foot rot, acute interdigital necrobacillosis, infectious pododermatitis) associated with *Fusobacterium necrophorum* and *Prevotella melanigenica*. P: For the treatment of infections due to florfenicol-sensitive bacteria and for the treatment of respiratory infections caused by *Actinobacillus pleuropneumoniae*, *Pasteurella multocida* and *Mycoplasma hyopneumoniae*. –B, P.
100 (250)ml
Dosage: B: 1ml/15kg bm im in the neck. Admin. 2 x with 48-hour interval or as single sc injection at dose 40mg/kg bm in the neck. P: 1ml/20kg bm im into the neck muscle. Admin. 2 x with a 48-hour interval.
S/E: Reduced food consumption.
C/I: Cows producing milk for human consumption. Bulls and boars intended for breeding purposes.
W/T: B: Meat 30 days – im injection. 44 days – sc injection. P: Meat 21 days. O: 37 days.
See also IDR page 600

NUFLOR® MINIDOSE, Intervet SA (MSD Animal Health)
Florfenicol 450mg/ml.
(S4) INJECTION 10/17.1/05
Indications: Preventive and therapeutic treatment of RTIs due to *Mannheimia haemolytica*, *Pasteurella multocida* and *Histophilus somni* susceptible to florfenicol. The presence of the disease in the herd should be confirmed before admin. preventive treatment. –B.
50ml, 100ml, 250ml
Dosage: Inject in neck only. Treatment: im route: 2ml/45kg bm 2 x, 48 hours apart. Sc route: 4ml/45kg bm 1 x only.
Prevention: sc route: 4ml/45kg bm 1 x only.
W/T: Meat and offal: By im route x 2: 30 days. By sc route x 1: 53 days. Do not use in lactating animals producing milk for human consumption.
C/I: Not for use in adult bulls intended for breeding purposes.
See also IDR page 601

RESFLOR, Intervet SA (MSD Animal Health)
Florfenicol 300mg, flunixin 16,5mg/ml.
(S4) INJECTABLE SOLUTION C06/17.1.5/17
Indications: B: For clinical treatment of respiratory infections caused by *Mannheimia haemolytica*, *Mycoplasma bovis*, *Pasteurella multocida* and *Histophilus somni* associated with pyrexia. –B.
100ml, 250ml
Dosage: 2ml/15kg bm by single sc injection in the neck. Dose volume at any site not to exceed 10ml.
W/T: Meat and offal 63 days. Milk – Do not use in animals producing milk for human consumption.
C/I: Do not use in adult bulls intended for breeding purposes. Do not use in animals suffering from hepatic and renal diseases.

Do not use if there is a risk of gastrointestinal bleeding or in cases where there is evidence of altered haemostasis. Do not admin. to animals less than 6 weeks of age. Do not use in lactating dairy cows.
P/I: The effect on bovine reproductive performance and pregnancy has not been assessed.
See also IDR page 633

15.1.6. Quinolones

ADVOCIN, Zoetis
Danofloxacin 25mg/ml.
(S4) ADVOCIN INJECTABLE SOLUTION 91/21.9/9
Indications: B and calves: Treatment of Bovine Respiratory Disease caused by *Mannheimia haemolytica* and *Pasteurella multocida*. Calves: Enteric infections caused by *Escherichia coli* and *Salmonella* spp. P: Treatment of respiratory disease caused by *Actinobacillus pleuropneumonia* and *Pasteurella multocida*. –B, P.
100ml
Dosage: B: 1ml/20kg bm im or sc. Do not inject more than 20ml per site. Treat 1 x daily. Repeat at 24-hour intervals for 3-5 days. P: 1ml/20kg bm im. Treat 1 x daily. Repeat at 24-hour intervals for 3 days.
W/T: B: Meat 5 days. Milk 24 hours. P: Meat 21 days.
See also IDR page 780

ADVOCIN 180, Zoetis
Danofloxacin 180mg (equivalent to 228,4mg/ml danofloxacin mesylate).
(S4) INJECTABLE SOLUTION 00/17.1.6/5
Indications: B Advocin 180 injectable solution is indicated for the treatment of Bovine Respiratory Disease caused by *Mannheimia haemolytica*, *Pasteurella multocida* and *Histophilus somni*
50ml, 100ml and 250ml
Dosage: B: Admin. a single sc injection of 6mg/kg bm(1ml/30kg bm). An additional dose at 6mg/kg bm may be admin. approx. 48 hours after the 1st injection, if required. For treatment of cattle weighing more than 450kg, divide the sc dose so that no more than 15ml is injected at one site.
W/T: B: Meat and offal 8 days. Milk 4 days. Milk for human consumption must not be taken during treatment or within 96 hours of the last treatment.
C/I: Not to be used in animals with impaired renal and liver function.
P/I: Avoid contact with skin/eyes. Wash thoroughly after handling.
See also IDR page 781

AFROXIN 5 % & 10 %, Afrivet
Enrofloxacin 5,0g or 10,0 g.
(S4) INJECTION 14/17.1.6/12; 14/17.1.6/13
Indications: Treatment of infectious diseases caused by Gram-positive and Gram-negative

bacteria and mycoplasmas. Infections of the urogenital, respiratory, and digestive tracts as well as skin and wound infections. –B, P, Can, F, exotic animals, reptiles, avian species. See literature.
100ml, 250ml
Dosage: Afroxin 5%: Can & F: 5mg/kg bm sc for 5-10 days. B: 2,5mg/kg bm sc for 3 days; Salmonellosis: 5mg/kg bm sc/daily for 5 days. P: 2,5 mg/kg bm im for 3 days; MMA syndrome in sows: 2,5mg/kg bm im for 1-2 days. Small mammals: 5mg/kg bm im daily for 7 days. Reptiles: 5mg/kg bm im at 24-48 hour intervals for 6 days. Avian species: 10mg/kg bm im 2 x daily for 7 days.
W/T: Meat 7days. Milk 3 days. Afroxin 10%: Can & F: Half Afroxin 5% dose.
C/I: Horses, Animals with impaired renal function, exotic animals or exotic birds intended for human consumption, prophylaxis. Do not use in dogs under 1 year of age and in the case of large breeds not under 18 months of age. Do not use in young growing exotic animals.
P/I: Retinotoxic effects including blindness can occur in cats when the recommended dose is exceeded.
See also IDR page 3

BAYTRIL 100, Elanco AH
Enrofloxacin 1g/10ml.
(S4) INJECTION C02/17.1.6/6
Indications: Treatment of respiratory disease associated with *Mannheimia haemolytica*, *Pasteurella multocida*, *Histophilus somni* and *Mycoplasma* spp. –B.
100ml
Dosage: Admin. sc only. Beef cattle: 7,5-12,5mg/kg bm. Lactating dairy cows: 7,5mk/kg bm. Do not inject more than 15ml per injection site.
W/T: Lactating dairy cows: Meat 14 days; Milk 3 days. Beef cattle: Meat 28 days.
See also IDR page 286

BAYTRIL 5 %, Elanco AH
Enrofloxacin 50mg/ml.
(S4) INJECTION G0662
Indications: Infections caused by Gram-positive and Gram-negative bacteria, and Mycoplasma. Infections of the urogenital, respiratory and digestive tracts, as well as skin and wound infections. –B, Can, F, P. Exotic animals, e.g. small mammals, reptiles, avian species.
100ml
Dosage: Can, F: 5mg/kg (1ml/10kg) sc/day for 5-10 days. B: 2,5mg/kg (0,5ml/10kg) sc/day for 3 days. P: 2,5mg/kg (0,5ml/10kg) im/day for 3 days. For exotic animals: see literature.
S/E: Damage to articular cartilage of dogs <1 year of age. Large dogs less than 18 months of age. Cartilage lesions may occur in calves.

C/I: Do not use in small dogs <1 year, large dogs <18 months. Not to be used in horses and animals with impaired renal function.
W/T: Meat 7 days. Milk 3 days.
See also IDR page 285

BAYTRIL FLAVOURED TABLETS, Elanco AH
Enrofloxacin 15 (50,150)mg.
(S4) TABLETS C88/17.1.6/10,11,12
Indications: Infections caused by Gram-positive and Gram-negative bacteria and Mycoplasma. –Can, F.
15mg: 100 tablets. 50mg: 50 tablets
Dosage: 5mg/kg/day. Treat for 5-10 days.
S/E: Damage to articular cartilage of dogs less than 1 year of age. Large dogs less than 18 months of age.
C/I: Do not use concurrently with theophylline.
See also IDR page 287, 288

ENROVET 10 % ORAL SOLUTION, Kyron AH
Enrofloxacin 100mg/ml, benzyl alcohol 1,5% v/v. Antioxidant: sodium metabisulphite 0,1% m/v/ml.
(S4) LIQUID C 06/17.1.6/03
Indications: For the treatment of bacterial infections caused by colibacillosis, fowl cholera, infectious coryza and salmonellosis. Aids in the treatment of mycoplasma infections due to *Mycoplasma gallisepticum* and *M. synoviae* in broiler chickens, growing pullets, broiler and layer breeder birds. –Poultry.
500ml
Dosage: 10mg/kg bm daily for 3 consecutive days for bacterial and Mycoplasma infections. For *Salmonella* infection, use for 5 days.
W/T: Meat 5 days.
P/I: Do not use in animals from which eggs are produced for human consumption.
See also IDR page 425

EVANIX, (Accord Healthcare), Kyron AH
Enrofloxacin 100mg/ml.
(S4) INJECTABLE SOLUTION C 10/17.1.6/15
Indications: For the treatment of respiratory disease associated with *Mannheimia haemolytica*, *Pasteurella multocida*, *Histophilus somni* and *Mycoplasma* spp. –B.
100ml
Dosage: 7,5mg/kg. Do not exceed more than 15ml per injection site. sc
W/T: Meat 14 days. Milk 3 days.
P/I: Safety in pre-weaning calves has not been established. Cartilage lesions may occur in calves.
See also IDR page 426

FORCYL® 16 %, Afrivet
Marbofloxacin 16g/100ml.
(S4) INJECTION 19/17.1.6/25
Indications: B: Therapeutic treatment of respiratory infections caused by sensitive strains of *Pasteurella multocida* and *Mannheimia haemolytica*. Lactating

cows: Treatment of acute mastitis caused by sensitive strains of *Escherichia coli*. Fattening pigs: Treatment of respiratory tract infections caused by susceptible strains of *Actinobacillus pleuropneumoniae* and *Pasteurella multocida*. Weaned piglets: Treatment of intestinal infections caused by susceptible strains of *E. coli*. Post-partum sows: Treatment of Metritis-Mastitis-Agalactiae syndrome (form of postpartum dysgalactiae syndrome, PPDS) caused by susceptible strains of *E. coli*. –B, P.
100ml, 250 ml
Dosage: B: Respiratory infections: 10ml/160kg bm im x 1. Acute mastitis caused by sensitive strains of *Escherichia coli*: 10ml/160kg bm im or iv x 1. P: 1ml/20kg bm im x 1 in the side of the neck.
W/T: B: Meat & offal 5 days. Milk 48 hours. P: Meat & offal 9 days.
C/I: Piglets: Do not use fluoroquinolones as prophylaxis or metaphylaxis during weaning. Lactating cows: The efficacy of the product has not been tested on mastitis caused by Gram-positive bacteria.
See also IDR page 36

MARBOCYL® 10 %, Afrivet
Marbofloxacin 100mg/ml.
(S4) INJECTION 06/17.1.6/07
Indications: B: Treatment of respiratory infections and acute *E. coli* mastitis. P: Treatment of Metritis-Mastitis-Agalactiae syndrome. –B, P.
100ml, 250ml
Dosage: 1 ml/50kg bm. B: 1 x daily im or sc for 3-5 days. P: Admin. im for 3 days.
W/T: B: Meat 6 days. Milk 2 days. P: Meat 3 days.
P/I: Use within 28 days after opening.
See also IDR page 42

POSATEX®, Intervet SA (MSD Animal Health)
Orbifloxacin (micronised) 8,549mg, mometasone furoate monohydrate (micronised) 0,855mg, posaconazole (micronised) 0,855mg/ml.
(S4) SUSPENSION 12/17.1.6/14
Indications: Treatment of acute otitis externa and acute exacerbations of recurrent otitis externa associated with bacteria susceptible to orbifloxacin and fungi susceptible to posaconazole, in particular *Malassezia pachydermatis*. –Can.
7,5ml, 15ml, 35ml
Dosage: Clean and dry external ear canal before treatment. Cut excess hair around the treatment area. Shake well before use and apply drops into the ear. Dogs <2kg bm, 2 drops 1 x/day. Dogs 2-15kg bm, 4 drops 1 x/day. Dogs 15kg bm or more, 8 drops 1 x/day. Massage base of ear gently after application. Treat for 7 consecutive days.
C/I: Do not use if the eardrum is perforated or in animals younger than 4 months of age.

Do not use in breeding animals or during pregnancy or lactation. Do not use in case of hypersensitivity to any of the ingredients, to corticosteroids, to other azole anti-fungal agents or to other fluoroquinolones. Do not use concurrently with an ear cleaner with a high pH.
P/I: Bacterial and fungal otitis is often secondary in nature. The underlying cause should be identified and treated.

See also IDR page 625

QUINOEX 10, Ceva AH
Enrofloxacin 10g/100ml.
(S4) ORAL SOLUTION 09/17.1.6/1.6/16
Indications: Therapy of bacterial infections due to colibacillosis, fowl cholera, infectious coryza and salmonellosis of broiler fowls, growing pullets, broiler and layer birds as well as an aid in the therapy of mycoplasmal infections due to *Mycoplasma gallisepticum* and *M. synoviae*. –Poultry
1L
Dosage: Apply via drinking water 1ml/10kg bm. Give in a 6-8 hour water supply for 3 consecutive days. See literature for details of dosage.
W/T: 5 days for edible tissues.
C/I: Do not use in layer birds from which eggs are produced for human consumption. Do not use for prophylaxis.

See also IDR page 232

★ **ZENIQUIN, Zoetis**
Marbofloxacin 25mg; Marbofloxacin 50mg; Marbofloxacin 100mg.
(S4) TABLETS 02/17.1.6/1.2/3
Indications: For the treatment of bacterial skin infections, soft tissue infections and UTIs associated with bacteria susceptible to marbofloxacin. – Can, F.
25/50: 100 tablets; 100: 50 tablets
Dosage: Admin. orally to fasted dogs/cats at a dose of 2,75mg/kg bm 1 x daily. Dosage may be safely increased to 5,5mg/kg should the patient require more intensive antimicrobial therapy. Treatment of skin and soft tissue infections: Tablets should be given for 2-3 days beyond the cessation of clinical signs for a max. of 30 days. Treatment of UTIs: Tablets should be admin. for at least 10 days. If no clinical improvement is noted within 5 days, the case should be re-evaluated.

S/E: Decreased or loss of appetite, decreased activity and vomiting.
C/I: Contraindicated in immature dogs during the rapid growth phase (small and medium breeds up to 8 months of age, large breeds up to 12 months of age and giant breeds up to 18 months of age). Marbofloxacin is contraindicated in cats under 12 months of age.
P/I: Concurrent oral admin. of metal cations. Monitor theophylline dosage if used concurrently. Safety of use of marbofloxacin

in pregnant or lactating animals and in animals used for breeding purposes has not been established.

See also IDR page 894

15.1.7. Sulphonamides and potentiators

AMPHOPRIM, Virbac
Trimethoprim 40mg, sulphadimethylpyrimidine 200mg/ml.
(S4) INJECTION 83/636
Indications: Bacterial RTIs, UTIs, genital and alimentary tract infections. Foot-rot, severe mastitis, bacterial agalactia of sows, wound infections, septicaemia. –E, B, O, P, Can. 100ml
Dosage: Admin. im, sc or slow iv. Adult E, B: 25ml. Young E, B, P: 10ml. Calves, O: 5ml. Lambs, piglets: 1ml. Can: 1ml/15kg bm. Repeat after 24 hrs if reqd.
C/I: Sulphonamide sensitivity.
W/T: Meat 5 days. Milk 4 milkings.

See also IDR page 686

AVISOL, Medpet
Sulphathiazole 20% m/v.
SOLUTION G1620
Indications: Infectious coryza, coccidiosis. –Poultry.
100 (500)ml
Dosage: 50ml/4L drinking water. Only water source for 4-5 days.
W/T: Meat 7 days. Eggs 3 days.
P/I: Prolonged treatment inadvisable.

BIAPRIM ORAL SOLUTION, Ceva AH
Sulfadiazine sodium 20g, trimethoprim 4g/100ml.
ORAL SOLUTION G2430
Indications: Treatment of infections in fowls caused by bacteria sensitive to sulfadiazine and trimethoprim. –Poultry.
1l/5l
Dosage: 1ml per litre drinking water. Fowls: Admin. for 5 days in the drinking water.
Warnings: Do not admin. to laying hens whose eggs are to be used for human consumption.
W/T: Meat 1 day.
See also IDR page 182

COLI-MIX PLUS, Super Agri
Sulphamethoxyypyridazine, trimethoprim. **PREMIX** G1562
Indications: For the treatment of secondary bacterial infections in poultry sensitive to sulphamethoxyypyridazine and trimethoprim. –Poultry.
100g, 10kg, 25kg
Dosage: For use in broilers and pullets only. Convection housing systems: 22g/100L drinking water for 5 days consecutively. To treat severe infections, increase to 44g/100L drinking water for the 1st day of treatment and thereafter back to 22g.

Controlled housing systems: 100g/100L drinking water in 4-5-week-old broilers for 3 days followed by 50 g/100L drinking water for 2-3 days thereafter.
W/T: Meat 72 hours. Eggs 72 hours.

COLIPRIM, Phibro
Na-sulphachloropyridazine 10%, trimethoprim 2% m/v.
LIQUID G1642
Indications: Primary and secondary infections of the alimentary, respiratory and urinary tracts caused by Gram-positive and Gram-negative bacteria. –Calves, P, Poultry. 200ml, 1L, 5L, 200L
Dosage: Calves, P: 1ml/8kg bm/day in water or milk for up to 5 days. Poultry: 1ml/8kg bm/day in drinking water for 5 days.
C/I: Poultry producing eggs for human consumption/hatching purposes.
W/T: Meat 5 days.
P/I: In hot weather, adjust dosage in proportion to consumption of water.
See also IDR page 670

★ **COSUMIX® PLUS, Elanco AH**
Trimphachlorpyridazine sodium 100g/kg, trimethoprim 20g/kg.
WATER-SOLUBLE POWDER G2036
Indications: Indicated for treatment of sensitive bacterial infections affecting the digestive or respiratory system. For the control of *E. coli* infections. Treatment of stress-related infections. See literature. –B, P, Poultry.
20kg
Dosage: 200mg/kg bm/day. Mix into drinking water or feed for 3-6 days. See literature.
W/T: Poultry: Meat 1 day. P: Meat 4 days. Calves: Meat 2 days; Eggs 3 days.
See also IDR page 297

DISULFOX LA, Intervet SA (MSD Animal Health)
Sodium sulphadimethoxine 40% m/v.
INJECTION G3212
Indications: Treatment of footrot, navel-ill, joint-ill, pneumonia, coccidiosis, bacterial scours and strangles. –B, Cap, O, E, P. 100ml, 500ml
Dosage: Initially: 1-2ml/10kg sc or iv. Maintenance: 0,5-1ml/10kg bm sc or iv.
S/E: As for sulphonamides.
W/T: Meat 7 days. Milk 48 hours.
P/I: Do not treat for longer than 4 days. When using iv, give injection very slowly.
See also IDR page 511

ECOSULF LA, ECO (Afrivet)
Sodium sulphadimethoxine 40% m/v.
INJECTION G3037
Indications: Treatment of footrot, navel-ill, joint-ill and pneumonia in stock, coccidiosis and bacterial scours in calves and lambs, pneumonia, joint ill and strangles in horses; pneumonia and joint-ill in pigs. –B, E, O, P. 100ml, 500ml

Dosage: Initially 1-2ml/10kg, sc or iv. Maintenance: 0,5-1ml/10kg. Do not treat for more than 4 days.
W/T: Milk 48 hours. Meat 7 days.
P/I: Animals must have free access to drinking water during treatment.
See also IDR page 23

KYROTRIM, Kyron Labs
Sulphamethoxazole 200mg, trimethoprim 40mg/ml.
INJECTION G3426
Indications: Treatment of sulphonamide-sensitive infections. Bacterial infections of respiratory tract, GI tract, wound infections, footrot. –B, O, P. 100ml
Dosage: By im injection: 1ml per 15kg bm daily for 5 days. For severe infections increase to 1,5ml/15kg bm.
S/E & P/I: As for sulphonamides.
W/T: Meat 5 days. Milk 3 days.
See also IDR page 399

MAXISULF LA, Kyron AH
Sodium sulphadimethoxine 40% m/v.
INJECTION G3657
Indications: Stock: Footrot, navel-ill, joint-ill and pneumonia. Calves and lambs: Coccidiosis and bacterial scours. E: Strangles. –B, O, Cap, E, P. 100ml, 500ml
Dosage: Initially 1-2ml/10kg bm sc or iv. Maintenance: 0,5-1ml/10kg bm sc or iv. Treated animals must have ample access to drinking water during treatment and for at least 2 days thereafter.
W/T: Meat 7 days. Milk 48 hours.
P/I: Do not treat for more than 4 days.
See also IDR page 446

MAXI-TRIM, Kyron AH
Sulphamethoxazole 200mg, trimethoprim 40mg/ml.
INJECTABLE SOLUTION G4390
Indications: For the treatment of bacterial infections of the respiratory tract, gastro-intestinal tract and urinary tract as well as wound infections and footrot. –B, O, P. 100ml
Dosage: 1ml/15kg bm for 5 days im. For severe infections: 1,5ml/15kg bm.
W/T: Meat 5 days. Milk 3 days.
See also IDR page 449

SULFATRIM, Virbac
Trimethoprim 4% m/v, sulphamethoxazole 20% m/v.
INJECTION G3635
Indications: Broad spectrum antimicrobial agent for the treatment of infections. –B, P, O, Cap, E, Can, F. 100ml
Dosage: All species: 1ml/10kg bm im or iv per day for 3-5 days. See literature.
W/T: B, P: Meat 7 days. E, O, Cap: Meat 14 days. B: Milk 3 days. O, Cap: Milk 5 days.
See also IDR page 759

SULFAZINE, Elanco AH
Sulphadimidine sodium BP 16% m/v.
16% SOLUTION G1123
Indications: Poultry: Coccidiosis, coryza. Calves, lambs, kids, rabbits: Coccidiosis. –B, O, Cap, Poultry, Rabbits. 100 (500)ml
Dosage: Poultry/rabbits: 13ml/L drinking water for 3 days. Withhold for 2 days. Repeat for 3 days. Lambs, kids and calves: 14ml/10kg day 7ml/10kg following 2 days.
33,33% INJECTION G1124
Sulphadimidine sodium 33,33%.
Indications: B: Footrot. B, O, Cap, P: Pneumonia, bacterial scours, coccidiosis, joint-ill, navel-ill. E: Strangles. –B, E, O, Cap, P. (100) 500ml
Dosage: 30ml/45kg bm slow iv or sc followed by 15ml/45kg daily for 3 days.
W/T: 16%: Meat 7 days. Eggs 3 days. 33,33%: Meat 7 days. Milk 48 hours.
P/I: Free access to ample drinking water for min. 2 days after treatment.
See also IDR page 344

SULMETRIM PLUS NF, Virbac
Trimethoprim 4% m/v, sulphamethoxazole 20% m/v.
INJECTION G3636
Indications: Treatment of infection. –E, B, O, Cap, P, Can, F. 100ml
Dosage: 1ml/10kg bm im or iv daily for 3-5 days. Admin. total daily dose in 2 equal divided doses. Alternate injection sites.
W/T: B, P: Meat 7 days. O, Cap: Meat 14 days. B: Milk 3 days. O, Cap: Milk 5 days.
See also IDR page 760

TRIMETHOPRIM SULPHA POWDER, Medpet
Trimethoprim 20%, sulphaquinoxaline 13%. Excipients to 100g.
POWDER G3927
Indications: For the treatment of *E. coli*, paratyphoid and coccidiosis. –Pigeons, Cage birds. 100g
Dosage: 5g in ±4L of drinking water for 5-7 consecutive days. Remove all other sources of drinking water during treatment.
P/I: Do not combine with any other antibiotics.

TRI-METHOSULF, Antrovat AH
Sulphachloropyridazine HCl 100g, trimethoprim 20g/kg.
POWDER G4439
Indications: Indicated for prophylaxis and treatment of sensitive bacterial infections affecting the digestive system or respiratory tract. Suitable for the control of *E. coli* infections, also indicated for the treatment of stress-related infections e.g.: air-sac disease, CRD complications, coliform septicaemia, salpingitis, fowl cholera, infectious coryza, staphylococcal infections. –Poultry. 20g, 200g, 20kg

Dosage: Poultry: Admin. by mixing into drinking water or feed for 3-6 days. See literature.
W/T: Meat 1 day. Eggs 3 days.
See also IDR page 101

15.1.8. Polipeptides

15.1.9. Others

DEPOMYCIN®, Intervet SA (MSD Animal Health)
Procaine benzylpenicillin 200mg, dihydrostreptomycin 200mg/ml.
(S4) INJECTION 83/660
Indications: Penicillin/streptomycin sensitive infections. –B, E, O, P, Can, F. 100 (250)ml
Dosage: B, E: 1ml/25kg bm im. O, P: 1ml/20kg bm im. Can, F: 1ml/10kg bm sc/im.
C/I: Concurrent admin. with aminoglycosides, furosemide, NSAIDs. Animals known to be allergic to penicillins and dihydrostreptomycin. Psittacine birds sensitive to procaine. Animals with myasthenia gravis or animals suffering from myasthenia gravis-like symptoms.
W/T: Meat 14 days. Liver/kidneys B, P: 21 days. O: 35 days. Milk 4 milkings.

See also IDR page 508

MOMETAMAX®, Intervet SA (MSD Animal Health)
Gentamicin base 3mg, mometasone furoate 1mg, clotrimazole 10mg/g.
(S4) SUSPENSION 19/14.3/26
Indications: Treatment of canine acute and chronic otitis externa associated with yeast (*Malassezia pachydermatis*) and/or bacteria susceptible to gentamicin. –Can. 7,5g, 15g
Dosage: Clean and dry the external ear canal meticulously before treatment. Cut excess hair around the treatment area. After application, massage the base of the ear briefly and gently to allow the product to penetrate the lower part of the ear canal. 7,5g: ≤14kg bm 5 drops. >14kg bm 4 drops. 15g: ≤14kg bm 10 drops. >14kg bm 8 drops. Apply 1 x/day. Continue treatment for 7 consecutive days.
C/I: Do not use if the eardrum is perforated. Avoid concomitant use of drugs known to induce ototoxicity. Do not admin. to pregnant or lactating bitches. See literature.
See also IDR page 552

STAFAC 500, Phibro
Virginiamycin 500g/kg.
PREMIX G1280
Indications: Pigs: For the prevention and control of swine dysentery in growing pigs. Poultry: For the prevention and control of necrotic enteritis and as an aid to good intestinal health. To support birds during heat-stress conditions. Cattle: To reduce the risk of ruminal acidosis in cattle, especially when a high energy ration is being fed. To reduce the

incidence, and severity, of liver abscesses in cattle fed a high-energy ration.
10 x 40g, 25kg
Dosage: B: 40-80g/ton feed. P: 100g/ton creep feed for 8 weeks, followed by 40g/ton feed till ready for slaughter. Poultry: Broilers: 40g/ton for the whole production cycle. Layers: 40g/ton feed. Breeders: 160g/ton feed.
W/T: No withdrawal period.
See also IDR page 674

15.1.10. Combinations

AUREO® S 700G, Zoetis
Chlortetracycline 77g/kg, sulphamethazine 77g/kg.
PREMIX G3222
Indications: Recommended via the feed, as a therapeutic aid in the control of disease in beef cattle and pigs caused by organisms susceptible to chlortetracycline and sulphamethazine. –B, P.
25kg
Dosage: Cattle: Calculate based on feed intake per day: 350mg of aureomycin chlortetracycline and 350 mg of sulphamethazine/head/day. Treatment should be continued for 5-7 days. Pigs: For average dosage mix 2kg Aureo® S 700g per ton of complete feed to supply 154 ppm each of chlortetracycline and sulphamethazine. The inclusion level may be varied according to the severity and nature of the infection, the total daily dose varying with the mass or age of the animals being treated and the amount of feed consumed. See literature.
W/T: 7 days.

See also IDR page 785

★ **LINCO-SPECTIN® PREMIX, Zoetis**
Each kg contains lincomycin HCl equiv. to lincomycin 22g and spectinomycin sulphate equiv. to 22g in a soybean millfeed carrier.
(S4) PREMIX POWDER 83/741
Indications: For the treatment and control of swine dysentery, salmonellosis (necrotic enteritis) and enteritis associated with *E. coli* and mycoplasmal pneumonia in growing swine. Controls early chick mortality associated with bacterial infection. –P, Poultry.
Dosage: P: 1kg/ton complete feed. Feed as the sole ration of growing swine. Poultry: 2kg/ton complete feed in the first few days of life. Adjust steadily down to approx. 10mg/kg bm at 3 weeks of age. Feed for 21 days.
W/T: Pigs: Meat 24 hours. Poultry: Meat 48 hours.

See also IDR page 841

LONGSTIM, Medpet
Amoxycillin trihydrate 5% m/v, tylosin tartrate 10% m/v.
POWDER G1513

P/I: Do not admin. concurrently with glucocorticoids other NSAIDs or with anticoagulant agents.
See also IDR page 246

15.2.	Antifungals
15.3.	Antiprotozoals

15.3.1. Anticoccidials

BOVATEC® 15 %, Zoetis
Previously known as Taurotec® Premix. Lasalocid sodium 150g/kg.
PREMIX G0454
Indications: Use in beef cattle and replacement beef and dairy heifers to improve feed efficiency and live mass gain. Use in dairy cows to improve feed efficiency and milk yield. Use in cattle, sheep and goats for prevention of coccidiosis. Use in sheep and goats to improve feed efficiency and live mass gain. –B, O, Cap.
Dosage: Pasture cattle and replacement beef and dairy heifers: Feed continuously at a rate of 1 mg/kg of bm/day up to a max. of 200mg/head/day. Complete feeds, concentrate and finisher feeds: Beef cattle: 100-133g/ton feed. Dairy cows: 26-133g/ton feed. O, Cap: 100-133g/ton feed. See literature.
C/I: Do not feed to equines.
See also IDR page 786

BOVATEC® LIQUID 20, Zoetis
Previously known as Taurotec® Liquid Premix. Instavet Lasalocid sodium 200g/kg.
LIQUID PREMIX G3064
Indications: For use in growing cattle and feed lot cattle for improved live weight gain and feed conversion efficiency. For control of the clinical signs of coccidiosis. –B, O.
22,68kg drum
Dosage: See literature.
W/T: 0 days.
C/I: For ruminants only. Do not feed to equines.
See also IDR page 786

DECCOX®, Zoetis
Micronised decoquinat 6,0g, refined deodorised soya oil 2,86g, wheat middlings q.s. 100g.
PREMIX G3282
Indications: For use in feed for cattle and sheep as an aid in prevention and treatment of coccidiosis. For prevention of toxoplasmosis in sheep caused by *T. gondii*. –B, O.
10kg
Dosage: For treatment of coccidiosis in lambs and calves, and prevention of coccidiosis in lambs: Add 1,67kg premix/ton feed. If creep feed is admin. to lambs on a restricted basis (e.g. less than 100g/10kg bm daily) or calves are fed at less than the feeding rate of 500g/50kg bm daily, then the concentration should be raised proportionally to achieve the target intake of approx. 1mg

decoquinat/kg bm daily. See literature. Feed continuously for 28 days when coccidiosis is considered to be a risk.
C/I: Do not use in cows and sheep when milk is intended for human consumption. Do not slaughter animals for human consumption during treatment.
See also IDR page 809

15.3.1.1. Poultry

AMPROL 20 % SOLUBLE POWDER, Phibro
Amprolium 20% m/m.
SOLUBLE POWDER G 771
Indications: Treatment of coccidiosis. –Poultry, Turkeys.
30g sachet or 1,2kg bag
Dosage: 30g/50L water. Severe outbreaks 30g/25L water. Treat for 3-5 days. Treat for an additional 7-14 days with 30g/100L solution to reduce potential for re-infection.
See also IDR page 667

AMPROL PLUS, Phibro
Amprolium 25% m/m, ethopabate 1,6% m/m.
PREMIX G749
Indications: Prevention of coccidiosis in chickens due to *Eimeria tenella*, *E. necatrix*, *E. acervulina*, *E. maxima* and *E. mitis* and coccidiosis in turkeys. –Poultry.
25kg
Dosage: Broilers and turkeys: 0,5kg/ton feed from the time birds are placed on litter until slaughter. Cage layer replacements: 0,5kg/ton feed from the time birds are placed on litter until 2 weeks after they are placed in cages. Replacements, layers and breeders: 0,5kg/ton feed from day-old to 12 weeks, then reduce to 0,31kg/ton feed. If coccidiosis is a threat to egg production in layers and breeders, use 0,31-0,5kg/ton feed life-long.
P/I: Do not use as a treatment for outbreaks of coccidiosis.

See also IDR page 667

ANIBAN®, Animate AH
Monensin sodium 200g/kg.
PREMIX G4150
Indications: For prevention of coccidiosis in broilers and replacement pullets (up to 16 weeks of age), and turkeys (up to 16 weeks of age) caused by different *Eimeria* species. For stimulation of weight gain rate and improvement feed conversion efficiency in ruminants with developed fore-stomach fed in confined areas for slaughter (feedlot cattle, calves, lambs and weaned lambs). Prevention of ketosis in dairy cows. Improved milk production in dairy cows. –B, O, Poultry.
25kg
Dosage: Broiler and replacement pullets (up to 16 weeks of age): 450-550g/ton feed. Cattle on pastures or in dry lot: 25-400g/ton feed. Feedlot cattle: 25-150g/ton feed. Increased production in dairy cows:

150-450mg monensin/head/day. Dairy cows with signs of ketosis: 1,25g Combicox/cow/day from 12th-15th day prior to calving in the course of 35 days. Lambs: 50-150g/ton feed. See literature for full regimen.
C/I: Laying hens, turkeys (over 16 weeks of age) water fowls, guinea fowls, horses, other equines and rhinoceros.
W/T: All species 0 days.
P/I: Do not mix with tiamulin or oleandomycin.
See also IDR page 74

AVATEC 15 % CC, Zoetis
Lasalocid sodium 150g/kg.
PREMIX G0167
Indications: For the prevention of coccidiosis in broilers, replacement broiler parents and layer pullets. –Poultry.
20kg
Dosage: Broilers: Add 600-830g/ton complete feed to obtain a final concentration of 90-125ppm of lasalocid sodium (depending on severity of coccidiosis challenge). Replacement broiler parents and layer pullets: Add 500g-830g/ton complete feed to obtain a final concentration of 75-125ppm of lasalocid sodium. Feed until 18 weeks of age. Note: Not to be fed to birds during lay.
See also IDR page 785

AVENSIN 40, Phibro
Monensin sodium 40% m/m.
PREMIX G4458
Indications: Used in feed for the prevention of coccidiosis in broiler chickens and replacement pullets (up to 16 weeks of age) caused by different *Emeria* species. It improves the rate of weight gain in pasture cattle, replacement heifers (beef and dairy) and improves feed conversion efficiency in feedlot cattle and calves. For prevention of ketosis in dairy cows. For improved milk production in dairy cows. –B, Poultry.
25kg
Dosage: Poultry 250g/ton feed for up to 16 weeks of age. Feedlot cattle 10-33 mg/head/day. Cattle on pasture 50-200mg/head/day. Dairy cows: Thoroughly mix into the TMD to provide between 10-20mg Avensin 40/kg TMD (based on a 90% dry matter basis). Feed Avensin 40 containing dairy meal to provide 150-450mg Monensin per cow per day starting 3-4 weeks prior to calving to reduce the incidence of ketosis. Pasture cattle and replacement heifers: Feed between 50-200mg Monensin per head per day in not less than 500g of supplement. See literature.

W/T: Meat and milk 0 days.
C/I: Do not feed to horses or other equines – may be fatal. Do not feed to laying hens (over 16 weeks), guinea fowls other game or water fowls. Poultry consuming monensin should not be treated with products containing tiamulin or troleandomycin. Serious growth depression may occur. Do not exceed the

levels of monensin recommended in the feeding directions as reduced average daily gains may result.
See also IDR page 667

AVIAX, Phibro
Semduramicin 50g/kg.
PREMIX G2276
Indications: Prevention of coccidiosis caused by *Eimeria tenella*, *E. acervulina*, *E. maxima*, *E. brunetti*, *E. necatrix*, *E. mivati/mitis*. –Poultry.
25kg
Dosage: Broilers: 0,5kg/1 000kg feed.
W/T: Meat 0 days.
C/I: Hens or turkeys in lay.
P/I: Avoid skin contact and inhalation.
See also IDR page 669

AVIAX PLUS, Phibro
Semduramicin 30g, nicarbazin 80g/kg.
PREMIX G3693
Indications: Prevention of coccidiosis in broilers caused by *Eimeria tenella*, *E. acervulina*, *E. maxima*, *E. brunetti*, *E. necatrix* and *E. mivati/mitis*. –Poultry.
25kg
Dosage: Mix 500-600g/1 000kg feed.
W/T: Meat 1 day.
C/I: Do not feed to laying hens. Do not use as a treatment for the outbreak of coccidiosis.
See also IDR page 669

BAYCOX (COCCIDIACIDE) 2,5 %, Elanco AH
Toltrazuril 2,5 mg/ml m/v.
LIQUID G979
Indications: For the treatment of coccidiosis in fowls (including parents of broilers), turkeys and geese. –Poultry, Turkeys, Geese.
1L
Dosage: 100ml/100L water. Add solution to water tank and mix well. Do not keep made-up solution for longer than 2 days. Treatment: Supply medicated water for 2 consecutive days. Repeat when necessary. Prophylaxis: Supply medicated water for 2 consecutive days as the only source of drinking water. Repeat at 5-day intervals, e.g. on days 9/10, 16/17, 23/24, etc. Continue until 14 days before slaughter.
W/T: Meat 14 days.
P/I: The solution is alkaline; avoid contact and wash immediately and thoroughly with water after accidental skin contamination.
See also IDR page 280

CEVA ANCOBAN 200, Ceva AH
Sodium monensin 20% m/m.
PREMIX G2269
Indications: Coccidiostat for broiler chickens and replacement pullets. –B, Poultry.
1 x 25kg
Dosage: 500g premix/ton feed. Broilers: Feed continuously as only ration until 3 days before slaughter. Replacement pullets: Feed continuously until not more than 16 weeks of age.

C/I: Not for equines, guinea-, game-, water fowls, laying hens.
W/T: Meat 3 days.
P/I: Do not feed in conjunction with tiamulin or troleandomycin.

See also IDR page 185

CEVA SALINOMYCIN 12 %, Ceva AH
Salinomycin 12% m/m.
PREMIX G2500
Indications: Broilers: Coccidiostat. B, Cap, O, P: Growth promotor. –B, Cap, O, P, Poultry. 25kg
Dosage: Broilers: 500g/ton. B: 167g/ton. Cap, O: 125-167g/ton.
C/I: Not for E, dairy cows, laying hens, turkeys.
W/T: 5 days.
See also IDR page 186

CLINACOX, Elanco AH
Diclazuril 0,5%*m/m*.
PREMIX G1032
Indications: An aid in the prevention of coccidiosis. –Poultry. 20kg
Dosage: Mix 200g/ton feed. –Premix.
P/I: Use in broilers and turkeys only.
See also IDR page 295

CLOBEK, Animate AH
Clopidol 250g/kg.
FEED PREMIX G4266
Indications: For treatment and prevention of caecal and intestinal coccidiosis in fowls and layer replacement pullets up to 16 weeks of age. For treatment and prevention of leucocytozoonosis caused by *Leucocytozoon smithi* in fowls. –Poultry.
Dosage: Thoroughly mix into feed before use. 500g/ton feed or 1 000g/ton feed.
W/T: Meat 5 days.
P/I: Do not feed to laying hens. Do not feed to caged layer replacements after 16 weeks of age. Do not admin. to birds intended for breeding purposes.
See also IDR page 74

COXIBAN, Animate AH
Salinomycin 12% m/m.
PREMIX G4166
Indications: Prevention of coccidiosis in broilers and replacement pullets (maximum 12 weeks of age). Improves mass gain and feed conversion in ruminants and prevents coccidiosis. An aid for improved feed conversion and the promotion of growth in pigs. –B, O, Cap, P, Poultry. 25kg
Dosage: Broilers: 500g/ton feed B: 167g/ton feed. O, Cap: 125-167g/ton feed. P: Creep rations: 750g/ton feed. Growing pigs: 415g/ton feed. See literature for full regimen.
W/T: Pigs: Meat 3 days. Poultry, B, O, Cap: Meat 0 days.

C/I: Turkeys, dairy cows, horses, other equines and rhinoceros.
P/I: Do not mix with tiamulin.
See also IDR page 75

COXIRIL® 0,5 %, Huvepharma
Diclazuril 5g/kg.
PREMIX G4469
Indications: Prevention of coccidiosis caused by coccidial species *Eimeria tenella*, *E. acervulina*, *E. brunetti*, *E. maxima*, *E. necatrix*, *E. mitis* and *E. praecox* affecting chickens. –Poultry. 25kg
Dosage: Content of diclazuril in complete feedingstuff: Chickens: Min. 0,8ppm. Max. 1,2ppm. Turkeys: Min. 0,8ppm. Max. Quantity of Coxiril® 0,5% incorporated into feedingstuff: Min. 160mg/kg. Max. 240mg/kg. Turkeys: Min. 160mg/kg. Max. 240mg/kg.
C/I: Laying poultry.
W/T: 0 days.
P/I: Do not mix with other coccidiostats.

COXISTAC G 12 %, Phibro
Salinomycin 120g/kg.
PREMIX G3120
Indications: Prevention of coccidiosis caused by *Eimeria acervulina*, *E. brunetti*, *E. maxima*, *E. mivati*, *E. necatrix* and *E. tenella* in broiler chickens and replacement pullets. –Poultry, B, P. 25kg
Dosage: Poultry: 0,5kg/ton (60ppm) feed. P: 210-420g/ton feed. B: 167g/ton feed. See literature.
W/T: B, P: Meat 5 days. Broiler 0 days. Onset of egg production 7 days.
P/I: Do not feed to horses, other equines or turkeys, dogs or dairy cows. Do not feed in conjunction with tiamulin or troleandomycin.
See also IDR page 670

COXISTAC G 24 %, Phibro
Salinomycin 240g/kg.
PREMIX G4446
Indications: Prevention of coccidiosis caused by *Eimeria acervulina*, *E. brunetti*, *E. maxima*, *E. mivati*, *E. necatrix* and *E. tenella* in broiler chickens and replacement pullets. –Poultry, B, P. 25kg
Dosage: Poultry: 250g/ton (60ppm) feed. P: 105-210g/ton feed. B: 83,5g/ton feed. See literature.
W/T: B, P: Meat 5 days. Broiler 0 days. Onset of egg production 7 days.
P/I: Do not feed to horses, other equines or turkeys, dogs or dairy cows. Do not feed in conjunction with tiamulin or troleandomycin.
See also IDR page 671

COYDEN® 25 %, Huvepharma
Clopidol 250g/kg.
PREMIX G4016
Indications: Fowls and layer replacements up to 16 weeks of age: Prevention of

coccidiosis. Prevention of leucocytozoonosis. –Poultry. 25kg
Dosage: 0,5-1kg/ton feed.
C/I: Laying hens, birds intended for breeding, caged layer replacements after 16 weeks of age.
W/T: Meat 5 days.
See also IDR page 376

ELANCOBAN 200, Elanco AH
Sodium monensin 200g/kg.
PREMIX G0146
Indications: Coccidiostat in broilers and replacement pullets. –Poultry. 25kg
Dosage: 500g/ton feed (100ppm). Replacement pullets: Admin. medicated feed continuously to 16 weeks of age.
C/I: Do not feed to equines or laying hens. Concurrent treatment with tiamulin or troleandomycin.
See also IDR page 308

EMBAZIN, Medpet
Sulphaquinoxaline 9,61% m/v.
LIQUID G1619
Indications: Coccidiosis. –Poultry. 100 (500)ml
Dosage: 50ml/13L water. Medicated water 3 days, plain water 2 days, medicated water 3 days.
W/T: Meat 7 days. Eggs 3 days.
P/I: Do not exceed recommended dosage levels and periods of treatment.

ESB3, Elanco AH
Sulphachlozine sodium 300g/kg.
POWDER G1305
Indications: Coccidiosis, infectious coryza. –Poultry. 20g, 100g, 250g
Dosage: 1g/1L in drinking water for 3 days.
W/T: Meat 7 days. Eggs 3 days.
P/I: Temporary drop in egg production in laying hens.
See also IDR page 308

KOFFOGRAN 25 %, Phibro
Nicarbazin 250g, wheat middlings 750g/kg.
PREMIX G3125
Indications: Prevention of caecal (*Eimeria tenella*) and intestinal (*E. acervulina*, *E. maxima*, *E. mivati*, *E. necatrix*, *E. tenella* and *E. brunetti*) coccidiosis in chickens. –Poultry. 25kg bags
Dosage: 500g/1 000kg feed (125ppm).
W/T: Meat 1 day.
C/I: Do not feed to laying hens. Do not feed to species other than chickens.
See also IDR page 672

MAXIBAN 160, Elanco AH
Narasin 80g, nicarbazin 80g/kg.
PREMIX G0976
Indications: Coccidiostat in broilers. –Poultry. 25kg

Dosage: 500-625g/ton feed.
W/T: Meat 0 days.
C/I: Do not feed to equines, laying hens or adult turkeys. Concurrent treatment with tiamulin or troleandomycin.
See also IDR page 319

MONIMAX®, Huvepharma
Monensin sodium 80g/kg, nicarbazin 80g/kg.
PREMIX G4087
Indications: Prevention of coccidiosis up to 16 weeks of age. –Poultry. 20kg
Dosage: Mix 0,5-0,625kg/ton complete feed.
W/T: Meat 1 day.
C/I: Do not feed to laying chickens or fowls over 16 weeks of age.
See also IDR page 382

MONOTEC® 200, Huvepharma
Monensin sodium 200g/kg.
PREMIX G3816
Indications: For the stimulation of weight gain rate and improvement feed conversion efficiency in ruminants with developed fore-stomach fed in confined areas for slaughter. For the prevention of ketosis in dairy cows. –B, O, Cap. 25kg
Dosage: Feedlot cattle: 25-150g to secure the desired monensin concentration per ton feed: 50-300mg monensin/head/day. Cows with signs of subclinical ketosis: 1,25g-/cow/day (divided into 2 equal parts, admin. morning and evening) from the 12th to the 15th day prior to calving in the course of 35 days.
W/T: 0 days.
See also IDR page 383

MONTEBAN 100, Elanco AH
Narasin 100g/kg.
PREMIX G0597
Indications: Coccidiostat in broilers. –Poultry. 25kg
Dosage: 700-800g/ton feed.
C/I: Do not feed to equines, laying hens, adult turkeys. Concurrent treatment with tiamulin or troleandomycin.
See also IDR page 325

OXITRIL, Intervet SA (MSD Animal Health)
Toltrazuril 25mg/ml.
ORAL SOLUTION G4291
Indications: Treatment of coccidiosis in chickens and turkeys, caused by infection with various species of *Eimeria*. Effective against all intestinal stages of susceptible coccidia. Assists in the development of natural immunity to coccidiosis in breeder and layer replacer stock. 1L, 2,5L
Dosage: 1L/1 000L water for a continuous period of 48 hours. See literature.

W/T: Chickens: Meat 14 days. Turkeys: Meat 16 days.
C/I: Do not use in birds producing eggs for human consumption.
See also IDR page 605

PROCOXACIN, Chemuniqué
Salinomycin 12%.
PREMIX G2209
Indications: Broiler chicks: Coccidiostat. –Poultry. 1 (5; 25)kg
Dosage: 500g/1 000kg feed.
C/I: Not for horses, dairy cows or turkeys.
P/I: Do not mix with other coccidiostats. Tiamulin must not be admin. when procoxacin is being fed in the ration.

POULCOX® 20 %, Huvepharma
Monensin sodium 200g/kg.
PREMIX G3484
Indications: Broilers, fowls reared for laying up to 16 weeks of age: Prevention of coccidiosis. –Poultry, B. 25kg
Dosage: Broiler and fowls reared for laying up to 16 weeks of age: 500-600g/ton feed.
C/I: Laying poultry, horses, other equine and rhinoceros.
W/T: All species 0 days.
P/I: Do not mix with tiamulin or oleandomycin.
See also IDR page 388

SACOX® 120, Huvepharma
Salinomycin sodium 120g/kg.
PREMIX G574
Indications: Broilers: Prevention of coccidiosis. O: Prevents coccidiosis. Rabbits: Prevents intestinal and hepatic coccidiosis. B, O, Cap: Improve mass gain and feed conversion. P: Improved feed conversion and growth promotion. –B, O, Cap, P, Poultry, Rabbits. 25kg
Dosage: O, Cap: 125-167g/ton feed. Rabbits: 250g/ton feed. B: 167g/ton feed. P: 415g/ton feed for growing pigs; 750g/ton feed for suckling pigs. Broilers: 500g/ton feed.
C/I: Turkeys, dairy cows, horses, other equines and rhinoceros.
P/I: Do not mix with tiamulin (tiamutin or dynamutilin).
W/T: Pigs: 3 days. Poultry, B, O. Cap: 0 days.
See also IDR page 389

SALINOPHARM® 12 %, Huvepharma
Salinomycin sodium 120g/kg.
PREMIX G3802
Indications: Broilers and replacement pullets, O, Cap: Prevention of coccidiosis. Ruminants, pigs: Improved mass gain and feed conversion. –B, O, Cap, P, Poultry. 25kg
Dosage: Broilers: 500g/ton feed. B: 167g/ton feed. O, Cap: 125-167g/ton feed. P: Creep rations: 750/ton feed. Growing pigs: 415g/ton feed. See literature for full regimen.

W/T: Pigs: Meat 3 days. Poultry, B, O, Cap: 0 days.
C/I: Turkeys, dairy cows, horses, other equines and rhinoceros.
P/I: Do not mix with tiamulin (tiamutin or dynamutilin).
See also IDR page 389

SULFAZINE, Elanco AH
Sulphadimidine sodium BP16% m/v.
16% SOLUTION G1123
Indications: Poultry: Coccidiosis, coryza. –B, O, Cap, Poultry, Rabbits. 100 (500)ml
Dosage: Poultry: 13ml/L drinking water for 3 days. Withhold for 2 days. Repeat for 3 days.
W/T: Meat 7 days. Eggs 3 days.
P/I: Free access to ample drinking water for min. 2 days after treatment.
See also IDR page 344

15.3.1.2. Others

ANIBAN®, Animate AH
Monensin sodium 200g/kg.
PREMIX G4150
Indications: For prevention of coccidiosis in broilers and replacement pullets (up to 16 weeks of age), and turkeys (up to 16 weeks of age) caused by different *Eimeria* species. For stimulation of weight gain rate and improvement feed conversion efficiency in ruminants with developed fore-stomach fed in confined areas for slaughter (feedlot cattle, calves, lambs and weaned lambs). Prevention of ketosis in dairy cows. Improved milk production in dairy cows. –B, O, Poultry. 25kg
Dosage: Broiler and replacement pullets (up to 16 weeks of age): 450-550g/ton feed. Cattle on pastures or in dry lot: 25-400g/ton feed. Feedlot cattle: 25-150g/ton feed. Increased production in dairy cows: 150-450mg monensin/head/day. Dairy cows with signs of ketosis: 1,25g Combicox/cow/ day from 12th-15th day prior to calving in the course of 35 days. Lambs: 50-150g/ton feed. See literature for full regimen.
C/I: Laying hens, turkeys (over 16 weeks of age) water fowls, guinea fowls, horses, other equines and rhinoceros.
W/T: All species 0 days.
P/I: Do not mix with tiamulin or oleandomycin.
See also IDR page 74

AVENSIN 40, Phibro
Monensin sodium 40% m/m.
PREMIX G4458
Indications: Used in feed for the prevention of coccidiosis in broiler chickens and replacement pullets (up to 16 weeks of age) caused by different *Emeria* species. It improves the rate of weight gain in pasture cattle, replacement heifers (beef and dairy) and improves feed conversion efficiency in

feedlot cattle and calves. For prevention of ketosis in dairy cows. For improved milk production in dairy cows. —B, Poultry. 25kg

Dosage: Poultry 250g/ton feed for up to 16 weeks of age. Feedlot cattle 10-33mg/head/day. Cattle on pasture 50-200mg/head/day. Dairy cows: Thoroughly mix into the TMD to provide between 10-20mg Avensin 40 per kg TMD (based on a 90% dry matter basis). Feed Avensin 40 containing dairy meal to provide 150-450mg Monensin per cow per day starting 3-4 weeks prior to calving to reduce the incidence of ketosis. Pasture cattle and replacement heifers: Feed between 50-200mg Monensin per head per day in not less than 500g of supplement. See literature.

W/T: Meat and milk 0 days.
C/I: Do not feed to horses or other equines — may be fatal. Do not feed to laying hens (over 16 weeks), guinea fowls other game or water fowls. Poultry consuming monensin should not be treated with products containing tiamulin or troleandomycin. Serious growth depression may occur. Do not exceed the levels of monensin recommended in the feeding directions as reduced average daily gains may result.

See also IDR page 667

BAYCOX (COCCIDIACIDE) 2.5 %, Elanco AH
Toltrazuril 2,5 mg/ml m/v.
LIQUID G6979
Indications: For the treatment of coccidiosis in fowls (including parents of broilers), turkeys and geese. —Poultry, Turkeys, Geese. 1L

Dosage: 100ml/100L water. Add solution to water tank and mix well. Do not keep made-up solution for longer than 2 days. Treatment: Supply medicated water for 2 consecutive days. Repeat when necessary. Prophylaxis: Supply medicated water for 2 consecutive days as the only source of drinking water. Repeat at 5-day intervals, e.g. on days 9/10, 16/17, 23/24, etc. Continue until 14 days before slaughter.

W/T: Meat 14 days.
P/I: The solution is alkaline; avoid contact and wash immediately and thoroughly with water after accidental skin contamination.

See also IDR page 280

BAYCOX (COCCIDIACIDE) 5 %, Elanco AH
Toltrazuril 50 mg/ml.
ORAL SUSPENSION G3662
Indications: For the control of coccidiosis in neonatal piglets. For the treatment of coccidiosis in cattle and sheep. —B, O, P. 250ml, 1L
Dosage: Shake before use. P: Treat with a single oral dose of 0,4ml/kg bm on day 3-5 of life. B: 3ml/10kg bm. O: 0,4ml/kg bm.

W/T: P: Meat 77 days. B: Meat and offal 63 days. O: Meat and offal 42 days.
C/I: Do not use in pregnant animals. Cattle and sheep: Do not use in lactating animals producing milk for human consumption.
P/I: Wash any splashes from skin and eyes immediately with water.

See also IDR page 280

CEVA ANCOBAN 200, Ceva AH
Sodium monensin 20% m/m.
PREMIX G2269
Indications: Coccidiostat for broiler chickens and replacement pullets. —B, Poultry. 1 x 25kg

Dosage: 500g premix/ton feed. Broilers: Feed continuously as only ration until 3 days before slaughter. Replacement pullets: Feed continuously until not more than 16 weeks of age.
C/I: Not for equines, guinea-, game-, water fowls, laying hens.
W/T: Meat 3 days.
P/I: Do not feed in conjunction with tiamulin or troleandomycin.

See also IDR page 185

CEVA SALINOMYCIN 12 %, Ceva AH
Salinomycin 12% m/m.
PREMIX G2500
Indications: O, broilers: Coccidiostat. B, Cap, O, P: Growth promotor. —B, Cap, O, P, Poultry. 25kg

Dosage: Broilers: 500g/ton. B: 167g/ton. Cap, O: 125-167g/ton. P: 415-750g/ton.
C/I: Not for horses, dairy cows, laying hens, turkeys.
W/T: P: 3 days; Broiler: 5 days.
See also IDR page 186

COXIBAN, Animate AH
Salinomycin 12% m/m.
PREMIX G4166
Indications: Prevention of coccidiosis in broilers and replacement pullets (maximum 12 weeks of age). Improves mass gain and feed conversion in ruminants and prevents coccidiosis. An aid for improved feed conversion and the promotion of growth in pigs. —B, O, Cap, P, Poultry. 25kg

Dosage: Broilers: 500g/ton feed B: 167g/ton feed. O, Cap: 125-167g/ton feed. P: Creep rations: 750g/ton feed. Growing pigs: 415g/ton feed. See literature for full regimen.
W/T: Pigs: Meat 3 days. Poultry, B, O, Cap: Meat 0 days.
C/I: Turkeys, dairy cows, horses, other equines and rhinoceros.

P/I: Do not mix with tiamulin.
See also IDR page 75

FORCERIS, Ceva AH
Toltrazuril 30mg, iron 133,4mg/ml.
SUSPENSION FOR INJECTION G4385
Indications: For the reduction in oocyst excretion and the prevention of clinical

signs of coccidiosis caused by *Cystoisospora suis*. For the prevention of iron deficiency anaemia. —P. 100ml, 250ml, 500ml

Dosage: Shake before use. 1,5ml/animal im behind the ear in 1 single injection. Admin. between 24-96 hours after birth. Admin. slowly. Do not repeat treatment.
W/T: Meat and offal 70 days.
C/I: Do not admin. to piglets suspected to suffer from deficiency of vitamin E and/or selenium.
P/I: Use within 28 days after first opening.
See also IDR page 222

MONOTEC® 200, Huvepharma
Monensin sodium 200 g/kg.
PREMIX G3816
Indications: For the stimulation of weight gain rate and improvement feed conversion efficiency in ruminants with developed fore-stomach fed in confined areas for slaughter. For the prevention of ketosis in dairy cows. —B, O, Cap. 25kg

Dosage: Feedlot cattle: 25-150g to secure the desired monensin concentration per ton feed: 50-300mg monensin/head/day. Cows with signs of subclinical ketosis: 1,25g-/cow/day (divided into 2 equal parts, admin. morning and evening) from the 12th to the 15th day prior to calving in the course of 35 days.
W/T: 0 days.

See also IDR page 383

PAROFOR CRYPTO 140 MG/ML, Huvepharma
Paromomycin sulfate 140 mg/ml.
(S4) ORAL SOLUTION 19/17.1.3/10
Indications: Reduction in the occurrence of diarrhoea due to diagnosed *Cryptosporidium parvum*. Only indicated for use in pre-ruminant calves. —B. 250ml, 1L

Dosage: Provide sufficient colostrum. 2,5ml/kg bm/day for 7 consecutive days. The consecutive treatment should be done at the same time each day. See literature.
W/T: Meat and offal 62 days.
C/I: Do not use in ruminating animals. Do not use in cases with impaired function of the kidneys or liver, paromomycin can cause oto- and nephrotoxicity. Do not admin. to animals younger than 3 days. Do not admin. in pregnant or lactating cattle.
P/I: Calves should only receive the product upon confirmation of *Cryptosporidium* oocysts in their faeces and before the onset of diarrhoea.

See also IDR page 386

POULCOX® 20 %, Huvepharma
Monensin sodium 200g/kg.
PREMIX G3484
Indications: Broilers, fowls reared for laying up to 16 weeks of age: Prevention of coccidiosis. —Poultry, B. 25kg

Dosage: Broiler and fowls reared for laying up to 16 weeks of age: 500-600g/ton feed.
C/I: Laying poultry, horses, other equine and rhinoceros.
W/T: All species: 0 days.
P/I: Do not mix with tiamulin or oleandomycin.
See also IDR page 388

RUMECOX, Animate AH
Monensin sodium 200g/kg.
PREMIX G4152
Indications: Broilers, replacement pullets and turkeys (up to 16 weeks of age): Prevention of coccidiosis. B, calves, lambs: Stimulation of weight gain rate and improvement feed conversion efficiency. Dairy cows: Prevention of ketosis, improved milk production. —B, O, Poultry. 25kg

Dosage: Broiler and replacement pullets (up to 16 weeks of age): 450-550g/ton feed. Cattle on pastures or in dry lot: 25-400g/ton feed. Feedlot cattle: 25-150g/ton feed. Increased production in dairy cows: 150-450mg monensin/head/day. Dairy cows with signs of ketosis: 1,25g Combicox/cow/day from 12th-15th day prior to calving in the course of 35 days. Lambs: 50-150g/ton feed. See literature for full regimen.

C/I: Laying hens, turkeys (over 16 weeks of age) water fowls, guinea fowls, horses, other equines and rhinoceros.
W/T: All species 0 days.
P/I: Do not mix with tiamulin, erythromycin, oleandomycin or sulphas.

See also IDR page 77

RUMENSIN 200, Elanco AH
Sodium monensin 200g/kg.
PREMIX G1818
Indications: B: Improved feed efficiency, mass gain, milk production, reduced severity in ketosis, coccidiostat. Cap, O: Improved feed efficiency, coccidiostat. —B, Cap, O. 25kg
Dosage: Beef: 50-300mg monensin/head/day. Dairy: 150-450mg monensin/head/day. B: Prevention of coccidiosis: 10-33ppm/kg feed. O: 11-22g/ton feed. Cap: 15-22g/ton feed. See literature.
C/I: Do not feed to equines.

See also IDR page 338

SALINOPHARM® 12 %, Huvepharma
Salinomycin sodium 120g/kg.
PREMIX G3802
Indications: Broilers and replacement pullets, O, Cap: Prevention of coccidiosis. Ruminants, pigs: Improved mass gain and feed conversion. —B, O, Cap, P, Poultry. 25kg
Dosage: Broilers: 500g/ton feed. B: 167g/ton feed. O, Cap: 125-167g/ton feed. P: Creep rations: 750/ton feed. Growing pigs: 415g/ton feed. See literature for full regimen.
W/T: Pigs: Meat 3 days. Poultry, B, O, Cap: 0 days.

C/I: Turkeys, dairy cows, horses, other equines and rhinoceros.
P/I: Do not mix with tiamulin (tiamutin or dynamitilin).
See also IDR page 389

SULFAZINE, Elanco AH
Sulphadimidine sodium BP 16% m/v.
16% SOLUTION G1123
Indications: Coccidiosis. —B, O, Cap, Poultry, Rabbits. 100 (500)ml
Dosage: Poultry/rabbits: 13ml/L drinking water for 3 days. Withhold for 2 days. Repeat for 3 days. Lambs, kids and calves: 14ml/10kg day 1. 7ml/10kg following 2 days.
33,33% INJECTION G1124
Sulphadimidine sodium 33,33% m/v.
Indications: Coccidiosis. —B, O, Cap, P. (100) 500ml
Dosage: 30ml/45kg bm slow iv or sc followed by 15ml/45kg daily for 3 days.
W/T: 16%: Meat 7 days. Eggs 3 days. 33,33%: Meat 7 days. Milk 48 hours.
P/I: Free access to ample drinking water for min. 2 days after treatment.
See also IDR page 344

15.3.2. Antibabesial

BABEX, Kyron AH
Imidocarb dipropionate 12% m/v.
INJECTABLE SOLUTION G4109
Indications: B: Cures redwater (babesiosis) and tick-borne gallsickness (anaplasmosis) organisms in cattle. It also prevents redwater for up to 4 weeks and African redwater for up to 8 weeks in cattle. 100ml
Dosage: Redwater: Treatment: 1ml per 100kg bm, once only, im. Prevention: 2,5ml per 100kg bm, once only, im. Tick-borne gallsickness: Treatment: 2,5ml per 100kg bm, once only, im. Do not repeat the dose within 4 weeks. See literature.
W/T: Meat 213 days.
C/I: Milk from treated cows should not be used for human consumption.
P/I: Must not be used intravenously. The dose rate must not be exceeded, and the treatment must not be repeated within 4 weeks.

See also IDR page 408

BERENIL® RTU, Intervet SA (MSD Animal Health)
Diminazene 0,07g/ml.
LIQUID G2702
Indications: B: Cures and prevents redwater. E, Can: Cures biliary fever. —B, E, Can. (20ml, 100ml)
Dosage: B: 3,5mg/kg bm im or sc. E: 3,5mg/kg bm im. Can: 0,5ml/10kg bm im or sc.
W/T: Meat 21 days.
P/I: Do not exceed or repeat dose — CNS toxicity may develop.
See also IDR page 472

DIZENE® CATTLE, Virbac
Diminazene 5% m/v, phenazone 35% m/v.
INJECTION G2611
Indications: Babesiosis. —B. 100ml vials
Dosage: B: 7ml/100kg bm im. Max 20ml/ injection site.
W/T: Meat 7 days.
P/I: Do not use in horses (due to severe injection site reactions).
See also IDR page 704

FORRAY 65, Intervet SA (MSD Animal Health)
Imidocarb dipropionate 12% m/v.
INJECTION G1442
Indications: B: Babesiosis and anaplasmosis. E, Can: Babesiosis. —B, Can, E. 40ml, 100ml
Dosage: B: Babesiosis therapy: 1ml/100kg bm sc/im. Babesiosis prophylaxis: 2,5ml/100kg bm sc/im. Anaplasmosis: 2,5ml/100kg bm sc/im. E: 2ml/100kg bm im. Repeat 1 x 24 hrs if reqd. Can: 0,5ml/10kg bm sc.
C/I: Prophylactic use in cattle producing milk for human consumption.
W/T: Meat 213 days. Milk 6 days.
P/I: Do not repeat dose within 4 weeks.
See also IDR page 529

IMIDOX INJECTION, Ceva AH
Imidocarb 85mg/ml.
INJECTION G3257
Indications: Cured Redwater (Babesiosis) and tick-borne gallsickness (Anaplasmosis) in cattle. Treatment of equine and canine Babesiosis. —B, E, Can. 20ml, 100ml
Dosage: B: Treatment Babesiosis: 1ml/100kg bm sc or im. Severe cases: 2nd dose 24 hours later. Chemoprophylaxis Babesiosis: 2,5ml/kg bm. Treatment Anaplasmosis: 2,5ml/100kg bm sc or im. E: Equine Babesiosis: *B. caballi* & *B. equi*: 2ml/100kg bm im. C: Canine Babesiosis: 0,5ml/10kg bm sc.
W/T: Meat 213 days after a dose of 2,5ml/100kg body mass. Meat 80 days after a dose of 1ml/100kg body mass.
C/I: Do not use in animals where milk or milk products may be used for human consumption.
See also IDR page 223

IMIZOL, Intervet SA (MSD Animal Health)
Imidocarb dipropionate 12% m/v.
SOLUTION G0831
Indications: Cures redwater (babesiosis) and tick-borne gallsickness (anaplasmosis) in cattle. It also prevents Asiatic redwater for up to 4 weeks and African redwater for up to 8 weeks in cattle. —B. 40ml
Dosage: Inject sc or im. Redwater: 1ml/100kg bm once only. Tick-borne gallsickness: 2,5ml/100kg bm once only. Prophylaxis: 2,5ml/100kg bm once only. Do not repeat the dose within 4 weeks.

W/T: Meat 213 days. Milk 6 days.
P/I: After treatment with Imizol (2.5ml/100kg bm) cattle cannot be effectively vacc. against Asiatic redwater for 8 weeks and against African redwater for 16 weeks.
See also IDR page 533

PHENAMIDINE, Medpet

Phenamidine isethionate B, methyl phydroxybenzoate vit C 5% m/v.
SOLUTION G1120
Indications: For the treatment of canine biliary fever.
25ml

Dosage: 0,3ml/kg bm sc. A single dose is effective, as a rule, but should a relapse occur, repeated treatment with Phenamidine is not advised; an unrelated babesiacide should be used for this purpose.
C/I: Do not exceed prescribed dose nor repeat treatment. The use of his drug concurrent with organophosphate containing compounds e.g. certain worm remedies and dips may be lethal. Treatment with a babesiacide or related chemical composition should not succeed the use of Phenamidine, or vice versa.

REDNIL, Kyron AH

Diminazene 70mg/ml, Phenazone 375mg/ml.
INJECTION G3911
Indications: B: Prevents and cures redwater. Prevents Asiatic (European) redwater for 2 weeks and African redwater for 4 weeks. E, Can: Cures biliary fever. –B, E, Can. 50ml, 100ml
Dosage: B: 0,5ml/10kg deep im or sc. E: 0,5ml/10kg deep im. Can: 0,1ml/2kg bm.
W/T: Meat 28 days.
See also IDR page 460

VERIBEN B12 HC, Ceva AH

Per 23,6g sachet: Diminazene diaceturate 10,5g, cyanocobalamin (vit B12) 0,012mg, phenazone (antipyrine) qs 23,6g.
GRANULES G3827
Indications: B: Cures and prevents redwater. Prevents Asiatic (European) redwater for 2 weeks and African redwater for 4 weeks. –B. 10 sachets x 23,6g
Dosage: B: Curative treatment: 3,5mg/kg bm im Do not exceed a total dose of 4g. Preventive treatment: See literature.
W/T: Meat 21 days.
P/I: Do not use if vacc. against redwater is planned.
See also IDR page 245

15.3.3. Spirochaeticides

15.3.4. Others

CANKER COMBO, Medpet

Dimetridazole BP 200g, ronidazole 100g, vit B1 10g/kg.
POWDER G4306

Indications: Treatment of canker (trichomoniasis). –Pigeons. 100g
Dosage: Make a fresh solution daily. 5g/4L drinking water for 5 days. In excessively hot conditions, reduce dose to 5g/8L water.
C/I: Do not give to pigeons intended for human consumption. Do not give to a pigeon feeding its young.

CANKER TONIC, Medpet

Metronidazole 9g/1 000ml.
SOLUTION G4308
Indications: Treatment of crop canker (trichomoniasis). –Pigeons. 500ml
Dosage: 10ml/pigeon with a stomach tube. In severe/resistant cases repeat treatment in 48 hours. If necessary, use every 2nd week in racing season. Use in the early part of the week.
C/I: Do not give to pigeons intended for human consumption. Do not give to a pigeon feeding its young.

CANKEREX PLUS, Medpet

Dimetridazole BP 400g, vit B1 10g/kg.
POWDER G4307
Indications: Prevention and treatment of crop canker (trichomoniasis). –Pigeons. 50g
Dosage: Make a fresh solution daily. 5g/5L drinking water for 3 days. In excessively hot conditions, reduce dose to 5g/8L water.
W/T: Meat 3 days.

CHEVICOL+, Columbomed

Dimetridazole 12,5mg, aminosidine sulphate 3,56mg/capsule.
CAPSULES G1953
Indications: Trichomoniosis, hexamitiosis. –Pigeons. 100
Dosage: 1-2 capsules/pigeon/day for 5-8 days.
WS POWDER G1954
Dimetridazole 500mg, aminosidine sulphate 142,5mg/5g. 10 sachets
Dosage: 1 sachet/L drinking water for 5-8 days.
C/I: Not for pigeons intended for human consumption. Vomiting when overdosed. Ataxia at higher doses.
P/I: Powder: In hot weather, when calculated quantity (1L/20 pigeons) of water has been consumed, repeat with clean water, don't repeat medicated water.

EMTRYL SOLUBLE, Medpet

Dimetridazole BP 40% m/m.
POWDER G1034
Indications: Crop canker. –Pigeons. 50g
Dosage: Dissolve 5g/8L drinking water for 7 days. No other water while on medication.
P/I: Avoid contact with skin, inhalation.

MEDICOX, Medpet

Sulphadimethoxine sodium anhydrous.
POWDER G4352
Indications: Prevention and treatment of coccidiosis. –Pigeons, Cage birds. 100g
Dosage: Make a fresh solution daily. 4g/2L drinking water for 3-5 days.
P/I: Do not let birds drink from other sources during treatment or participate in races.

MEDITRICH, Medpet

Metronidazole 100mg.
TABLETS G1514
Indications: Prevents trichomoniosis. –Pigeons. 100
Dosage: 1 tablet/bird/month during racing season.
C/I: Pigeons intended for human consumption.

MEDIZOLE, Medpet

Ronidazole BP vet 10% m/m, excipients 90% m/m.
POWDER G2862
Indications: Prevention and treatment of trichomoniosis and hexamitiosis in pigeons. For the treatment of trichomoniosis, cochllostomiasis and Giardia in cage birds. –Pigeons, cage birds. 100g
Dosage: Make fresh solutions daily. 4g/2L drinking water for 3-5 days.
W/T: Meat 3 days.

RONAMP, Medpet

Ronidazole 70mg, amprolium 100mg/g.
POWDER G4309
Indications: Treatment of crop canker (trichomoniasis) and coccidiosis. –Pigeons, Cage birds. 100g
Dosage: 5g/10kg bm or 1 heaped spoonful/L drinking water. Admin. for 3-5 days.
C/I: Do not give to pigeons intended for human consumption. Do not admin. vitamins during treatment.

RONSEC, Medpet

Ronidazole 25mg, secnidazole 25mg.
TABLETS G4018
Indications: For the treatment of resistant crop canker (Trichomoniasis) in pigeons. –Pigeons. 50 tablets
Dosage: Dose 1 tablet/pigeon (450-500g bm) on a full crop after feeding. Skip 1 day and repeat again on 3rd day.

SACOX® 120, HUEVPHARMA

Salinomycin sodium 120g/kg.
PREMIX G574
Indications: Broilers: Prevention of coccidiosis. O: Prevents coccidiosis. Rabbits: Prevents intestinal and hepatic coccidiosis. B, O, Cap: Improve mass gain and feed

conversion. P: Improved feed conversion and growth promotion. –B, O, Cap, P, Poultry, Rabbits. 25kg
Dosage: O, Cap: 125-167g/ton feed. Rabbits: 250g/ton feed. B: 167g/ton feed. P: 415g/ton feed for growing pigs; 750g/ton feed for suckling pigs. Broilers: 500g/ton feed.
C/I: Turkeys, dairy cows, horses, other equines and rhinoceros.
P/I: Do not mix with tiamulin (tiamutin or dynamutilin).
W/T: Pigs: 3 days. Poultry, B, O. Cap: 0 days.
See also IDR page 389
TURBOSOLE, Columbomed
Ronidazole 100g/kg.
WS POWDER G2808
Indications: Trichomoniosis, hexamitiosis. –Pigeons. 200g
Dosage: 3g (measure incl.)/2L water.
C/I: Not for pigeons intended for human consumption.

16. ANTIPARASITICS

Sheep scab and goat mange are controlled diseases in terms of the Animal Diseases Act (Act 35/1984). The occurrence or suspicion of these diseases must be reported to the responsible State Veterinarian.

16.1. Endoparasiticides

16.1.1. Horses

16.1.1.1. Benzimidazoles and probenzimidazoles

ECOMINTIC 50, ECO (Afrivet)

Fenbendazole 5% m/v.
ORAL DRENCH G2000
Indications: Roundworms. –B, E + Ostriches, O, Cap: Milk tapeworm –O, Cap. 200ml, 1L, 5L, 10L
Dosage: B: 1ml/10kg bm. E: 2ml/10kg bm. Cap, O: Roundworms 1ml/10kg bm. Milk tapeworm: 2ml/10kg bm. Ostriches: 3ml/10kg bm.
W/T: Meat 7 days.
P/I: Cap, O: Vacc. against enterotoxaemia before dosing.
See also IDR page 22

OSTRIDOSE, ECO (Afrivet)

Fenbendazole 5% m/v.
ORAL DRENCH G2243
Indications: Roundworms. –E, Ostriches. 1L, 5L, 10L
Dosage: E: 20ml/100kg bm.
W/T: Meat 7 days.
See also IDR page 45

PANACUR® BS, Intervet SA (MSD Animal Health)

Fenbendazole 5% m/v.
LIQUID G1481
Indications: O, Cap: Roundworm, lungworm and milk tapeworm remedy. –B, O, Cap, E, Ostriches. 200ml (1; 5; 10)L
Dosage: E: 1ml/5kg bm.
See also IDR page 607

PANACUR® PASTE, Intervet SA (MSD Animal Health)

Fenbendazole 187,5mg/g.
PASTE G3374
Indications: Roundworms: bloodworms (large strongyles), redworms (small strongyles), ascarids, oxyurids and strongyloides. –E. 24g syringes
Dosage: 7,5mg/kg bm. One syringe treats one 600kg horse. Treat diarrhoea caused by Strongyloides westeri in sucking foals with a dose of 50mg/kg bm (contents of 1 syringe) for 90kg bm.
See also IDR page 611

16.1.1.2. Macrocyclic lactones

16.1.1.3. Tetrahydropyrimidines

PEGASOL, Kyron Vet Rx

Pyrantel pamoate 11,41g.
PASTE G3590
Indications: Controls large and small strongyles, pinworms and ascarids. –E. 26g
Dosage: 1 syringe/600kg bm orally.
P/I: Do not exceed recommended dosage.
See also IDR page 457

16.1.1.4. Piperazines

16.1.1.5. Combinations

EQUEST PLUS TAPE, Zoetis

Moxidectin 20mg/ml, praziquantel 125mg/ml.
ORAL GEL G3032
Indications: Broad-spectrum dewormer (including encysted small strongyles), boticide and tapeworm treatment. –E. 14,4g calibrated syringe
Dosage: Admin. orally. 1 syringe treats a horse of 700kg bm. Do not admin. full syringe to horses under 400kg bm. Safe in foals >4 weeks of age and in all breeding stock including stallions and pregnant mares. See literature.
W/T: Meat 28 days.
See also IDR page 828
EQVALAN® GOLD, Boehringer
Ivermectin 1,55% m/m, praziquantel 7,75% m/m.
PASTE G3453
Indications: For the treatment of roundworms, tapeworm and bots. –E.

Dosage: 1 syringe/600kg horse orally. Mares: regular dosing at 6-8 week intervals during summer and autumn. Stallions: Treat at least 2 x per year. Foals older than 6 months: regular dosing at 6-8 week intervals.
C/I: Do not admin. to foals younger than 6 months.
W/T: Meat 14 days.
See also IDR page 114

MOXI-PRO T PASTE, Antrovet AH

Moxidectin 20mg, praziquantel 125mg/ml.
ORAL PASTE G4311
Indications: Broad spectrum dewormer (including encysted small strongyles and tapeworm). –E. 12,2g
Dosage: Accurately determine the weight of the horse to be treated. The contents on this syringe will treat a horse of 600kg. Insert the syringe into the side of the horse's mouth in the gap between the front and back teeth and deliver the paste onto the back of the tongue. Safe for use in foals over 4 weeks of age and in all breeding stock, including stallions and pregnant mares. See literature.
C/I: Do not admin. the full syringe to horses weighing less than 400kg.
W/T: Meat 28 days.
See also IDR page 95

PEGAFORTE, Kyron Vet Rx

Ivermectin 12mg/g, praziquantel 150mg/g.
PASTE G3768
Indications: A broad spectrum roundworm, tapeworm and bot remedy for horses of all ages including pregnant mares. –E. 10g syringe
Dosage: 1 x 10g syringe/600kg horse. Mares: Regular dosing at 6-8 week intervals. Stallions: Treat at least 2 x per year. Foals: Initial treatment at 2 months of age, followed by regular dosing at 6-8 week intervals. Bots: Late spring and autumn.
C/I: Do not use on animals intended for human consumption.
See also IDR page 455

PEGAMAX, Kyron Vet Rx

Abamectin 3,7mg/g, praziquantel 46,2mg/g.
PASTE G3591
Indications: Controls roundworms, tapeworms and bots in horses of all ages including pregnant mares. –E. 32,4g
Dosage: 1 syringe/600kg bm orally.
W/T: Meat 28 days.
See also IDR page 456

PEGAQUEST®, Kyron Vet Rx

Moxidectin 20mg/ml (2% m/m), praziquantel 125mg/ml (12,5% m/m).
ORAL PASTE G4162
Indications: Broad-spectrum dewormer. –E. 1 syringe

Dosage: 1 syringe/400kg bm. Before admin., ensure that the horse does not have food in its mouth. Insert syringe in the gap between the front and back teeth and deliver paste onto the back of the tongue. Immediately raise the horse's head for a few seconds after dosing to ensure swallowing of the paste. Do not admin. the full syringe to horses <400kg. Safe in foals over 4 weeks of age and in all breeding stock, including stallions and pregnant mares. See literature.

C/I: Do not use on animals intended for human consumption. Do not admin. the full syringe to horses under 400kg.

P/I: Extremely toxic to aquatic species. Do not contaminate dams, rivers, streams or other waterways with the product or used container.

See also IDR page 457

16.1.2. Ruminants

16.1.2.1. Benzimidazoles and probenzimidazoles

AVEX, Ceva AH
Albendazole 15% m/v, selenium 0,146% m/v.

DRENCH G3404
Indications: Treatment of roundworms and milk tapeworm. –B.

2L, 5L, 10L

Dosage: 1ml/15kg bm.

W/T: Meat 14 days.

C/I: Milk of treated animals must not be used for human consumption.

See also IDR page 181

ECOFLUKE, ECO (Afrivet)
Triclabendazole 10% m/v.

ORAL DRENCH G3383
Indications: Liver fluke remedy against immature and adult liver fluke and giant liver fluke. –B, O, Cap.

1L, 5L

Dosage: B: 12ml/100kg bm. O, Cap: 1ml/10kg bm.

W/T: Meat 28 days. Milk 14 days.

P/I: Immunise sheep and goats against pulpy kidney disease before dosing.

See also IDR page 18

ECOMINTIC 50, ECO (Afrivet)
Fenbendazole 5% m/v.

ORAL DRENCH G2000
Indications: Roundworms, tapeworms. –B, Cap, O, E, Ostriches. (200ml), 1 (5;10)L

Dosage: Dosage: B: 1ml/10kg bm. E: 2ml/10kg bm. Cap, O: Roundworms 1ml/10kg bm. Milk tapeworm: 2ml/10kg bm. Ostriches: 3ml/10kg bm.

W/T: Meat 7 days.

P/I: Cap, O: Vacc. against enterotoxaemia before dosing.

See also IDR page 22

GARDAL 10 %, Intervet SA (MSD Animal Health)
Ricobendazole 10% m/v.

LIQUID G3201
Indications: Roundworms, milk tapeworm, liver fluke. –B, Cap, O.

(1; 5; 10)L

Dosage: Roundworms, milk tapeworm. B: 1,5ml undiluted product/20kg bm. O, Cap: 1,5ml diluted product/10kg bm. Liverfluke, O, Cap: 2ml diluted product/10kg bm. B: 1,5ml undiluted product/20kg bm. See literature.

C/I: Animals producing milk for human consumption. Pregnant ewes.

W/T: B: Meat 21 days. Cap, O: Meat 8 days. Milk 72 hours.

P/I: Vacc. against enterotoxaemia before dosing.

See also IDR page 531

MAXIFLUKE, Kyron AH
Triclabendazole 10% m/v.

SUSPENSION G3619
Indications: Liver fluke remedy against immature and adult liver fluke and giant liver fluke. –B, O, Cap.

1L, 5L, 10L

Dosage: B: 12ml/100kg bm. O, Cap: 1ml/10kg bm.

W/T: Meat 28 days. Milk 14 days.

P/I: Vacc. sheep and goats against pulpy kidney disease before admin.

See also IDR page 443

PANACUR® 4 %, Intervet SA (MSD Animal Health)
Fenbendazole 4,0% m/m.

POWDER G0169
Indications: B, P: Roundworms. Cap, O: Roundworms, milk tapeworm. –B, Cap, O, P.

1kg

Dosage: B, P, Cap, O roundworm: 1,25g/10kg bm. Cap, O milk tapeworm: 2,5g/10kg bm – incorporated directly into feed.

W/T: Meat 7 days.

See also IDR page 605

PANACUR® BS, Intervet SA (MSD Animal Health)
Fenbendazole 5% m/v.

LIQUID G1481
Indications: B, E, Ostriches: Roundworm. O, Cap: Roundworm, lungworm, milk tapeworm B: Lungworm. –B, O, Cap, E, Ostriches.

200ml, (1;5;10)L

Dosage: B: 1ml/10kg bm. O, Cap: Roundworms and lungworms: 1ml/5kg bm. Tapeworms: 2ml/5kg bm.

W/T: Meat 7 days.

P/I: Vacc. Cap and O against enterotoxaemia before dosing.

See also IDR page 607

PRODOSE® BLUE, Virbac
Albendazole 7,5% m/v.

LIQUID G2090

Indications: Roundworm, milk tapeworms. –B.

250ml, (1L), 5L, 10L

Dosage: 1ml/10kg bm.

C/I: Lactating cows.

W/T: Meat 12 days.

P/I: Do not exceed recommended dose in 1st month of pregnancy.

See also IDR page 747

PRODOSE® GREEN, Virbac
Albendazole 1,9% m/v.

LIQUID G2089
Indications: Roundworm, milk tapeworm and liver fluke. –Cap, O.

250ml, (1L), 5L, 10L

Dosage: Round-, milk tapeworm: 2ml/10kg bm. Liver fluke: 2,5ml/10kg bm.

W/T: Meat 10 days.

P/I: Do not exceed recommended dose in 1st month of pregnancy. Vacc. against enterotoxaemia before treatment.

See also IDR page 747

VALBAZEN, Zoetis
Albendazole 7,5% m/v.

FOR CATTLE G0444
Indications: Roundworm, lungworm, milk tapeworm. –B.

200ml, 500ml, 5L, 20L

Dosage: 1ml/10kg bm.

FOR SHEEP and GOATS G0197
Albendazole 1,9% m/v.

Indications: Roundworm, lungworm, milk tapeworm, liver fluke. –Cap, O.

500ml, 5L

Dosage: Worms: 2ml/10kg bm. Liver fluke: 2,5ml/10kg bm.

VALBAZEN ULTRA G2037
Albendazole 7,6% m/v.

Indications: B: Roundworm, lungworm, milk tapeworm. Cap, O: Roundworm, milk tapeworm, lungworm, liver fluke. –B, Cap, O.

500ml, 2L, 5L

Dosage: Worms: B: 1ml/10kg bm. Cap, O: 1 part Valbazen Ultra: 3 parts water; dose at 2ml/10kg bm. Liver fluke: 2,5ml/10kg bm.

W/T: Cattle: Meat 12 days. Milk 72 hours. Sheep and goats: Meat 10 days. Ultra: B: Meat 12 days. Cap, O: Meat 10 days.

Milk – see C/I.

C/I: The milk of treated animals may not be used for human consumption or manufacturing purposes or mixed with normal milk within 72 hours after dosing.

P/I: Vacc. sheep and goats against enterotoxaemia before treatment.

See also IDR page 887,888

16.1.2.2. Macrocyclic lactones

ALLEGRO™, Elanco AH
Abamectin 0,2% m/v.

ORAL SUSPENSION G4479
Indications: For the control of internal parasites in sheep and goats and itch mite

control on sheep. For the control of wire worm in ostriches. –O, Cap, Ostriches.

5L

Dosage: 1ml/10kg bm. See literature.

W/T: Meat 14 days.

C/I: Do not treat sheep and goats where the milk is used for human consumption, during lactation or within 28 days before the commencement of lactation. Do not use in animals younger than 6 weeks of age.

P/I: Vacc. O and Cap against *Clostridium* infections, including pulpy kidney disease. Do not contaminate dams, rivers or streams with used containers.

See also IDR page 262

ALLEGRO LA™ INJECTION, Elanco AH
Ivermectin 1% m/v.

INJECTION G4480
Indications: B, O, P: Internal and external antiparasitic remedy. Ostriches: Controls wireworm. –B, O, P, Ostriches.

500ml, 1L

Dosage: B: 1ml sc or im/50kg bm. O: 1ml sc/50kg bm. P: 1ml sc or im/33kg bm.

Ostriches: 1ml sc/50kg bm. See literature.

W/T: B, O, P: Meat 42 days. Ostriches: Meat 14 days.

C/I: Do not use in lactating cattle or sheep where milk or milk products are used for human consumption. Do not use in dairy cattle within 42 days before calving where milk and milk products are intended for human consumption. Do not admin. iv in cattle, sheep and pigs. Do not admin. im in sheep.

P/I: Vacc. cattle against clostridial infections and sheep against pulpy kidney disease.

See also IDR page 265

AVOTAN POUR-ON, Intervet SA (MSD Animal Health)
Abamectin 5mg/ml.

POUR-ON G3745
Indications: Control of roundworms and blue ticks. –B.

1L, 5L, 20L

Dosage: 1ml/10kg bm. Apply along the topline extending from the withers to the tail head.

W/T: Meat 35 days.

C/I: Do not use in animals younger than 4 months.

P/I: Do not apply on dogs or other animal species.

See also IDR page 472

BAYMEC™, Elanco AH
Ivermectin 10,0mg/ml (1% m/v).

INJECTION G3320
Indications: A broad-spectrum parasiticide for the control of endo- and ectoparasites. Cattle: GI roundworms, false bruising (*Parafilaria bovicola*), eye worm (*Thelazia*) and lungworms. Sheep: GI roundworms (including *Haemonchus*), sheep scab (*Psoroptes ovis*) and nasal bot (*Oestrus ovis*). –B, O.

500ml

Dosage: 200g sc/kg bm. Two treatments 14 days apart may be required for resolution of sheep scab infections.

W/T: Meat 28 days.

C/I: Not for use in lactating animals or dairy cattle within 28 days before calving where milk or milk products are intended for human consumption.

See also IDR page 281

CEVAMEC 1 % INJECTABLE SOLUTION, Ceva AH
Ivermectin 10mg/ml.

INJECTABLE SOLUTION G4198
Indications: Antiparasitic remedy. –B, O.

1 000 doses, 2 000 doses

Dosage: B: 1ml/0-50kg bm sc under the loose skin in front of or behind the shoulder. O: 0,5ml/0-25 kg bm sc. See literature.

W/T: Meat 21 days.

C/I: Do not use in lactating cattle where milk or milk products are to be used for human consumption. Do not use in dairy cattle within 28 days of calving.

See also IDR page 200

CYDECTIN®, Zoetis 0,1% ORAL SOLUTION G2388
Moxidectin 0,1% m/v.

Indications: O: Controls roundworm, nasal bot, itch mites. –O, Ostriches.

5L, 10L

Dosage: 2ml/10kg bm. Do not dilute or mix with any other remedy.

Safety: May be used in animals of all ages, including pregnant and breeding animals.

INJECTABLE G1463
Moxidectin 1% m/v.

Indications: B: Controls wire-, brown stomach-, cattle bankrupt-, nodular-, hook- and eyeworm. Aids in control of *Parafilaria*. Kills sucking lice, mange mites and controls blue ticks. O: Controls wire-, brown stomach-, bankrupt-, long-necked bankrupt-, white bankrupt-, hook, nodular-, large-mouthed bowel-, lung-, whipworm, nasal bot. Kills scab mites, sucking lice and controls itch mites. –B, O, Ostriches.

50ml, 500ml

Dosage: B: 0,1ml/5kg bm sc. O: 0,1mg/5kg sc or im.

ANTIPARASITIC POUR-ON FOR CATTLE G2678
Moxidectin 5mg/ml.

Indications: Treatment and control of gastrointestinal roundworms, lungworm, mange mites, red (biting) and blue (sucking) lice, hornflies, blue ticks. –B.

5L

Dosage: 1ml/10kg bm.

W/T: Oral solution: Meat 7 days (sheep); 15 days (ostriches). Injection: Meat 28 days.

C/I: Animals producing milk for human consumption.

P/I: O: Vacc. against enterotoxaemia before treatment. Pour-on: Do not treat lactating cows at less than 21 day intervals.

See also IDR page 801, 804

CYDECTIN® EWEGUARD WITH SELENIUM AND VIT B12, Zoetis
Moxidectin 5mg/ml, antigens of *Cl. perfringens* type D, *Cl. chavoei*, *Cl. septicum*, *Cl. novyi* type B, *Cl. tetani*, *Corynebacterium pseudotuberculosis-ovis*, selenium 1mg/ml, vitamin B12 1mg/ml. –O.

ANTHELMINTIC/VACCINE G3541
Indications: Vacc. of healthy adult sheep against pulpy kidney, black quarter (quarter evil), malignant oedema, gangrene, tetanus, caseous lymphadenitis and the treatment and control of internal and external parasites as well as for selenium and vitamin B12 supplementation.

500ml

Dosage: 2ml/50kg bm sc. Admin. 2 doses 4-6 weeks apart followed by an annual booster. Admin. in the anterior half of the neck only. See literature.

W/T: Meat 28 days.

C/I: Animals <30kg bm. Animals vacc. with footrot vacc. Not for animals producing milk for human consumption.

P/I: Do not inject iv or im.

See also IDR page 803

CYDECTIN® LA INJECTABLE FOR SHEEP, Zoetis
Moxidectin 2% m/v.

INJECTION G3449
Indications: Long-acting antiparasitic remedy with long residual activity against certain important roundworms and scab mite infections. –O.

Dosage: 1ml/20kg bm sc at the base of the ear or high on the neck behind the ear.

C/I: Do not use in sheep producing milk for human consumption.

W/T: Meat 91 days.

See also IDR page 806

DECTOMAX, Zoetis
Doramectin 1% m/v.

LA INJECTION G1726
Indications: B: Roundworms, *Parafilaria*, screw-worms, sucking lice, mange mites and single host ticks. O, Cap: Roundworms. –B, O, P, Cap.

20ml, 50ml, 100ml, 500ml

Dosage: B: 1ml/50kg im/sc. O, Cap: 1ml/50kg im/sc or 1,5ml/50kg im/sc for sheep only.

W/T: Meat 35 days.

C/I: Animals producing milk for human consumption.

P/I: Vacc. sheep against enterotoxaemia before treatment.

See also IDR page 810

DORAJECT + AD, E LA, Kyron AH
Doramectin 1,0% m/v, vitamins A 3,3% m/v, D3 0,01% m/v, E 5,0% m/v.

INJECTION G3912
Indications: B: Treatment and control of GI roundworms, *Parafilaria*, screw-worms and single host ticks. O: Treatment and control of sheep roundworms, sheep scab, nasal bot, blowfly strike and itch mites. –B, O. 50ml, 500ml
Dosage: 1ml/50kg bm sc. Inject under the soft skin in the neck, shoulder or into the loin region.
W/T: B: Meat 35 days. O: Meat 56 days.
C/I: Do not use in animals producing milk for human consumption.
See also IDR page 419

DORA-VIT +AD₃E LA, Antrovat AH
Doramectin 1,0% m/v, vitamins A 3,3% m/v, D3 0,01% m/v, E 5,0% m/v.
INJECTION G4362
Indications: B: Treatment and control of gastrointestinal roundworms, *Parafilaria*, screw-worms and single host ticks. O: Treatment and control of sheep roundworms, sheep scab, nasalworm, blowfly strike and itch mites. –B, O. 50ml, 500ml
Dosage: B & O: 1ml sc/50kg bm.
W/T: B: Meat 35 days. O: Meat 56 days.
C/I: Do not use in animals producing milk for human consumption.
See also IDR page 85

ECOMECTIN 1% INJECTION, ECO (Afrivet)
Ivermectin 1% m/v.
INJECTION G2275
Indications: B: Roundworms, screw-worm, *Parafilaria*. O: Roundworms, nasal bot. –B, O, P. 20ml, 50ml, 200ml, 500ml
Dosage: B, O: 1ml/50kg bm/sc.
W/T: B, O: Meat 21 days. P: 28 days.
P/I: Vacc. sheep against enterotoxaemia before treatment. Vacc. cattle against clostridial infections.
C/I: Do not use in animals producing milk for human consumption.
See also IDR page 19

ECOMECTIN SHEEP DRENCH, ECO (Afrivet)
Ivermectin 0,08% m/v.
DRENCH G2630
Indications: Roundworms. –Cap, O. 1L, 5L
Dosage: 2,5ml/10kg bm.
W/T: Meat 14 days.
P/I: Vacc. sheep against enterotoxaemia before treatment.
C/I: Do not use in animals producing milk for human consumption.
See also IDR page 22

ELIMINATE, Virbac
Abamectin 0,5% m/v.
POUR-ON G3348

Indications: Transdermal internal and external antiparasitic pour-on. –B and Antelope. 1L, 5L 20L
Dosage: 1ml/10kg bm. Heavier animals: add 5ml for each 50kg over 650kg.
W/T: Meat 21 days. Milk 21 days.
C/I: Do not treat calves under 50kg.
See also IDR page 709

EPRECIS® 2 %, Ceva AH
Eprinomectin 2,0g/100ml.
INJECTION G4260
Indications: An antiparasitic remedy indicated for the treatment and control of internal and external parasites of beef and dairy cattle, including lactating dairy cows. –B 50ml, 100ml, 250ml and 500ml
Dosage: 1ml/100kg bm sc only. Inject under loose skin in front of or behind the shoulder as a single injection.
W/T: Meat and offal 12 days. Milk 0 days.
C/I: Do not admin. iv or im.
P/I: May be toxic to aquatic organisms. Do not contaminate streams, rivers or waterways with product or used containers.
See also IDR page 212

IVER-JECT+AD₃E, Antrovat AH
Ivermectin 1% m/v, vit A palmitate 5 000 000iu, vit E acetate 1 000iu, vit D3 40 000iu/100ml.
INJECTABLE SOLUTION G3930
Indications: Internal and external antiparasitic remedy with vitamins to prevent and treat vitamin deficiencies. –B, O. 20ml, 50ml, 500ml
Dosage: B: 1ml sc/50kg bm. O: 1ml sc/26-50kg bm. Inject sheep every 3 months. During winter it may be necessary to treat more often. See literature.
W/T: Meat 42 days.
C/I: Do not use in lactating cattle where milk or milk products are used for human consumption.
P/I: Do not use im or iv.
See also IDR page 86

IVER-JECT METABOLIC, Antrovat AH
Ivermectin 1% m/v. Per ml: vit B12 0,1mg, zinc 0,17mg, magnesium 1,7mg, copper 0,02mg, phosphite 8mg, potassium 0,07mg, iodine 0,23mg. Amino acids: histidine HCl 4,2mg, valine 4,2mg, arginine HCl 5,1mg, methionine 4,2mg, threonine 5mg, sodium monobasic glutamate 8,4mg.
INJECTABLE SOLUTION G4360
Indications: Antiparasitic remedy with supplements. –B. 50ml, 500ml, 1L
Dosage: 1ml sc/50kg bm. See literature.
W/T: Meat 21 days.
See also IDR page 88

IVER-JECT PREMIUM, Antrovat AH
Ivermectin 3,15% m/v.
INJECTABLE SOLUTION G4345

Indications: Antiparasitic remedy. –B. 500ml
Dosage: 1ml/50kg bm. See literature.
W/T: Meat 120 days.
C/I: Do not use in lactating cattle where milk or milk products are used for human consumption. Do not use in dairy cattle within 120 days before calving.
P/I: Do not use im or iv.
See also IDR page 89

IVER-JECT SUPER FLUKE, Antrovat AH
Ivermectin 1% m/v, clorsulon 10% m/v.
INJECTABLE SOLUTION G4358
Indications: For the treatment and control of internal and external parasites. –B. 500ml
Dosage: 1ml sc/50kg bm. Inject in front or behind the shoulder blade. For the control of blue ticks repeat every 21 days. Efficacy: See literature.
W/T: Meat 32 days.
C/I: Do not use in lactating animals where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days before calving.
See also IDR page 90

IVERMAX 1 % INJECTABLE SOLUTION, Kyron AH
Ivermectin 1% m/v.
INJECTABLE SOLUTION G3582
Indications: Antiparasitic remedy. –B, O. 50ml, 500ml, 1L
Dosage: 1ml/50kg bm sc.
W/T: Meat 21 days.
C/I: Do not use in cows where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days of calving.
See also IDR page 431

IVERMAX + AD₃E, Kyron AH
Ivermectin 1% m/v, vitamins A palmitate 50 000iu, D3 400iu, E acetate 10iu.
SOLUTION G3723
Indications: Antiparasitic remedy with vitamins to prevent and treat vitamin deficiencies. –B, O. 20ml, 50ml, 500ml, 1L
Dosage: Sc every 3 months. B: 1ml/50kg bm; O: 0,5ml/25kg bm.
W/T: Meat 42 days.
C/I: Do not use in lactating cattle where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days of calving. Do not use im or iv.
See also IDR page 433

IVERMAX + FLUKE, Kyron AH
Ivermectin 1% m/v, Clorsulon 10% m/v.
INJECTABLE SOLUTION G4224
Indications: Cattle: For the treatment and control of: Internal parasites (roundworms and adult liver fluke with residual activity against the re-infestation of roundworms) and external parasites (*Parafilaria*/false bruising,

lice, mange mites, sandtampans, blue ticks, screw-worm and eye worm). –B. 50ml, 500ml
Dosage: 1ml/50kg bm. Sc.
C/I: Do not use in lactating animals where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days before calving.
W/T: Meat 32 days.
P/I: Do not admin. im or iv.
See also IDR page 435

IVERMAX METABOLIC, Kyron AH
Ivermectin 1% m/v, vitamin B12 0,1mg, zinc salt 0,43mg equivalent to 0,17mg zinc, magnesium salt 6,5mg equivalent to 1,7mg magnesium, copper salt 0,04mg equivalent to 0,02mg copper, magnesium hypophosphite 26,7mg equivalent to 8mg phosphate, potassium iodide 0,3mg equivalent to 0,07mg potassium and 0,23mg Iodine, histidine HCl 4,2mg, valine 4,2mg, arginine HCl 5,1mg, methionine 4,2mg, threonine 5mg, sodium monobasic glutamate 8,4mg, excipients to 1ml/ml.
INJECTABLE SOLUTION G3910
Indications: Antiparasitic remedy with supplements. –B. 500ml
Dosage: 1ml/50kg bm sc. under the loose skin in front of or behind the shoulder.
W/T: Meat 21 days.
C/I: Do not use in dairy cattle within 28 days of calving. Do not use in cattle where milk or milk products are used for human consumption.
See also IDR page 437

IVERMAX + MINERALS, Kyron AH
Ivermectin 1% m/v, copper 2,86mg, zinc 0,04mg, cobalt 0,12mg, manganese 1,98mg, molybdenum 0,50mg/ml.
SOLUTION G3724
Indications: Antiparasitic remedy with minerals to prevent and treat deficiencies. –B, O. 50ml, 500ml
Dosage: Sc every 3 months. B: 1ml/50kg bm; O: 0,5ml/25kg bm.
W/T: B, O: Meat 21 days. Milk C/I.
C/I: Do not use in lactating cattle where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days of calving. Do not use im or iv.
See also IDR page 436

IVERMAX PLATINUM LA, Kyron AH
Ivermectin 3,15% m/v.
INJECTABLE SOLUTION G3832
Indications: Antiparasitic remedy. –B. **Dosage:** 1ml/50kg bm sc only. Can been used in breeding animals. See literature for efficacy when treating external parasites.
W/T: Meat 120 days.
C/I: Do not use in lactating cows where the milk or milk products are for human

consumption. Do not use in dairy cows within 120 days of calving. Do not admin. im or iv.
See also IDR page 439

IVERMAX SHEEP DRENCH, Kyron AH
Ivermectin 0,08% m/v.
ORAL DRENCH G3579
Indications: Controls roundworms and nasal bot in sheep and goats and itch mite in sheep. –O, Cap. 1L, 5L
Dosage: 2,5ml/10kg bm.
W/T: Meat 14 days. Milk 28 days.
P/I: Vacc. sheep against pulpy kidney disease before admin.
See also IDR page 440

IVERMECTINA 1 % Ourofino
INJECTABLE, Ourofino
Ivermectin 1% m/v.
INJECTION G2889
Indications: Treatment and control of internal parasites. –B, O. (20, 50, 200, 500, 1 000)ml.
Dosage: B: Inject 1ml/50kg bm sc. O: Inject 0,5ml/25kg bm.
C/I: Do not use in lactating animals where milk or milk products are intended for human consumption. Do not use in dairy cattle within 35 days before calving where milk or milk products are intended for human consumption.
W/T: Meat 35 days.

IVOMEC EPRINEX, Boehringer
Eprinomectin 0,5% m/v.
POUR-ON G2628
Indications: Controls brown stomach-, wire-, cattle bankrupt-, nodular-, hook- and lungworms. Controls sucking and biting lice, sarcoptic and chorioptic mites, horn flies. Aids in the control of cattle blue ticks. –B. 1L, 2L, 5L
Dosage: 1ml/10kg bm.
W/T: No withdrawal times for meat or milk.
See also IDR page 127

IVOMEC GOLD, Boehringer
Ivermectin 3,15% m/v.
INJECTION G3080
Indications: B: Controls adult and immature wire-, brown stomach-, cattle bankrupt-, hook-, nodular- and lungworm. Controls adult eyeworm. Aids in the control of *Parafilaria*. –B. 500ml, 1L
Dosage: 1ml/50kg bm sc.
W/T: Meat 105 days. Milk 105 days.
C/I: Lactating dairy cows producing milk for human consumption.
P/I: Do not admin. im or iv.
See also IDR page 129

IVOMEC INJECTION, Boehringer
Ivermectin 1% m/v.
INJECTION G2329
Indications: B: Controls wire-, brown stomach-, cattle bankrupt-, hook-, nodular-, lung-, eyeworm. Aids control of *Parafilaria*.

O: Controls wire-, brown stomach-, bankrupt-, hook-, nodular-, large-mouthed bowel, lung-, long-necked bankrupt worm, nasal bot. Ostriches: controls wire worm. –B, O, P. Ostriches. 50ml, 200ml, 500ml
Dosage: B: 1ml/50kg bm sc. O: 0,5ml/25kg bm sc.
W/T: Meat 21 days. Milk 28 days.
C/I: Lactating cattle/sheep producing milk for human consumption.
P/I: Do not admin. iv or im. Vacc. cattle against *Clostridium* infections and sheep against enterotoxaemia before treatment.
See also IDR page 130

IVOMEC SUPER INJECTION, Boehringer
Ivermectin 1% m/v, clorsulon 10% m/v.
INJECTION G2629
Indications: B: Controls wire-, brown stomach-, cattle bankrupt-, hook-, nodular-, lung- and adult eyeworm, adult liver- and adult giant liverfluke. Aids in the control of *Parafilaria*. O: Controls wire-, brown stomach-, bankrupt-, hook-, nodular-, large-mouthed bowel-, lung-, immature long-necked bankrupt- and nasal bot. –B, O. 50, 200ml, 500ml
Dosage: B: 1ml/50kg bm sc; O: 0,5ml/25kg bm sc.
W/T: Meat 28 days. Milk 28 days.
P/I: Do not admin. iv or im. Vacc. cattle against black quarter, malignant oedema and sheep against enterotoxaemia before treatment.
See also IDR page 131

IVOTAN, Intervet SA (MSD Animal Health)
Ivermectin 1% m/v.
INJECTION G2858
Indications: B: Controls wire-, brown stomach, cattle bankrupt-, hook-, nodular, lung- and eyeworm. Aids control of *Parafilaria*. O: Controls wire-, brown stomach-, bankrupt-, hook-, nodular, large-mouthed bowel-, lung-, long-necked bankruptworm, nasal bot. P: Kills mange mites. –B, O, P. 20 (50; 500)ml
Dosage: B: 1ml/50kg bm sc. O: 0,5ml/25kg bm sc. P: 1,5ml/50kg bm sc.
C/I: Lactating cattle/sheep producing milk or milk products for human consumption.
W/T: B, O: Meat 21 days. Milk 28 days before calving. Do not use in lactating cattle or sheep where milk or milk products are intended for human consumption. P: Meat 28 days.
P/I: Do not admin. iv or im. Vacc. cattle against *Clostridium* infections and sheep against enterotoxaemia before treatment.
See also IDR page 542

MODERATOR™, Elanco AH
Abamectin 0,5% m/v.
POUR ON G4477

Indications: Transdermal antiparasitic pour-on remedy controls endo- and ectoparasites and aids in the control of multi-host ticks. –B, Antelope.
5L
Dosage: 1ml/10kg bm. Apply in a narrow band along the midline of the back from the withers to the base of the tail. Do not treat calves under 50kg.
W/T: Meat 21 days. Milk 21 days before calving.
P/I: May adversely affect fish and certain water-borne organisms.
See also IDR page 324

MOXIDOSE 0.1 % SOLUTION, Kyron AH
Moxidectin 0.1% m/v.
ORAL SOLUTION G4213
Indications: For the treatment and control of roundworm and nasal bot. –O.
5L
Dosage: 2ml/10kg bm.
W/T: Meat 14 days. Milk – not for human consumption.
P/I: Sheep should be vacc. against pulpy kidney at least 3 weeks before treatment.
See also IDR page 449

MOXI-JECT 1 % INJECTABLE SOLUTION, Kyron AH
Moxidectin 1% m/v.
INJECTABLE SOLUTION G4107
Indications: For the treatment and control of wire-, brown stomach-, bankrupt-, long-necked bankrupt-, white bankrupt-, hook-, nodular-, large-mouthed bowel-, lung-, whipworm and nasal bot. Controls sheep scab and mites. –O.
500ml
Dosage: 1ml/50kg bm sc.
W/T: Meat 28 days. Animals treated for sheep scab 49 days. Milk – not for human consumption.
P/I: Do not inject iv.
C/I: Do not inject in young, undernourished or emaciated animals.
See also IDR page 450

MOXI-PRO 1 %, Antrovet AH
Moxidectin 1% m/v.
INJECTABLE SOLUTION G4393
Indications: For the treatment and control of roundworms and nasal bot. Kills sheep scab mites and controls itch mites. –O.
500ml
Dosage: 1ml sc/50kg bm. Inject under the loose skin behind the shoulder, under the foreleg or on the inside of the thigh. Sheep scab is a notifiable disease. Admin. 2 x at 1ml sc/50kg bm with an interval of 7 days between treatments.
W/T: Meat 28 days.
C/I: Do not slaughter animals treated for sheep scab and intended for human consumption within 49 days of second treatment. Do not use in animals producing milk for human consumption.

P/I: Vacc. sheep against pulpy kidney disease and black quarter at least 3 weeks before treatment. Do not treat young, undernourished, or emaciated animals. Do not inject iv.
See also IDR page 93
MOXI-PRO ORAL, Antrovet AH
Moxidectin 0.1% m/v.
ORAL SOLUTION G4312
Indications: For the treatment and control of roundworms and nasalworm. –O.
5L
Dosage: Dose orally at 2ml/10kg bm.
W/T: Meat 14 days.
C/I: Do not use in animals producing milk for human consumption.
P/I: Vacc. sheep against pulpy kidney at least 3 weeks before treatment.
See also IDR page 94

PRIVEXIA, Ceva AH
Moxidectin 1g/100ml.
INJECTION G3915
Indications: Treatment and control of internal and external parasites of cattle and sheep with residual activity against certain important roundworms of cattle and sheep as well as blue ticks in cattle. Nasal bot larvae (*Oestrus ovis*): Controls nasal bot larvae, 1st, 2nd and 3rd instar larvae. –B, O.
50ml, 250ml, 500ml
Dosage: 1ml/50kg bm as a single sc injection.
W/T: Meat and offal 42 days.
C/I: Do not use in animals producing milk for human consumption.
P/I: May be toxic to aquatic organisms. Do not contaminate rivers, streams or waterways with product or used containers.
See also IDR page 231

RANOX, Zoetis
Rafoxanide 3% m/v.
SUSPENSION G1599
Indications: B: Liver fluke, giant liver fluke, wireworm. Cap, O: Nasal bot, liver fluke, giant liver fluke, wireworm. –B, Cap, O.
500ml, 5L
Dosage: B: 12,5ml/50kg bm. O, Cap: 2,5ml/10kg bm.
W/T: Meat 28 days.
C/I: Animals producing milk for human consumption.
P/I: Vacc. sheep against enterotoxaemia before treatment. Do not treat more frequently than every 3 weeks.
See also IDR page 857

SOLUTION 3.5 % LA, Intervet SA (MSD Animal Health)
Ivermectin 2,25% m/v, abamectin 1,25% m/v.
SOLUTION G3689
Indications: Antiparasitic remedy. –B, E, O.
50ml, 200ml, 500ml, 1 000ml
Dosage: 1ml/50kg bm sc.
W/T: B: Meat 120 days. O: Meat 70 days.

C/I: Do not use in dairy cattle. Do not admin. to calves <16 weeks of age.
P/I: Vacc. cattle against *Clostridium* infections prior to treatment.
See also IDR page 642
VIRBAMAX LV®, Virbac
Abamectin 0,2% m/v.
SOLUTION G2782
Indications: Controls internal parasites, nasal bot –O, Cap and itch mite. –O.
Control of wireworm in Ostriches.
1L, 5L
Dosage: 1ml/10kg bm.
C/I: Not for sheep or goats producing milk for human consumption.
W/T: Meat 14 days. Milk 28 days before start of lactation.
See also IDR page 767

VIRBAMEC® LA, Virbac
Ivermectin 1% m/v.
INJECTION G2885
Indications: B: Controls roundworms, kills sucking lice, biting lice, warble flies, mange mites, sandtampans, cattle screw-worms, blue ticks. –B, O, P.
(10,50,500)ml, 1L
Dosage: B: 1ml/50kg bm sc or im.
O: 1ml/50kg bm sc. P: 1ml/33kg bm sc or im. Ostriches: 1ml/50kg bm sc only.
C/I: Do not admin. iv in cattle or sheep or im in sheep.
W/T: Meat 42 days. Milk 42 days.
P/I: Not for use in lactating cattle or sheep where milk/milk products are used for human consumption. Vacc. cattle against clostridial infections and sheep against enterotoxaemia before treatment.
See also IDR page 771

VERMECTIN L.A. PREMIUM®, Bupo
Ivermectin 3,15%.
LONG-ACTING INJECTABLE SOLUTION G4112
Indications: Control of internal and external parasites. Efficacy: See literature. –B.
500ml
Dosage: 1ml sc/50kg bm in the loose skin of the neck or behind the shoulder blade.
W/T: Meat 105 days.
C/I: Do not use in cattle producing milk for human consumption.
See also IDR page 175

16.1.2.3. Halogenated
salicylanilides
and nitrophenols

CLOSECO 7.5 %, Afrivet
Closantel 7,5% m/v.
INJECTABLE SOLUTION G3440
Indications: B: For the control of liver fluke and roundworm with residue action against re-infestation of wireworm, hookworm and nodularworm. O: Controls wireworm,

nasalworm larvae and hookworm. Controls adult liver fluke and aids in the control of immature liver fluke.
500ml
Dosage: B: 1ml/30kg bm sc in the neck or im. Do not exceed 20ml per injection site. O: 1ml/1kg bm sc into the loose skin behind the shoulder blade.
W/T: B: Meat 28 days. O: Meat 30 days.
C/I: Do not use milk from treated animals for human consumption.
See also IDR page 10
CONIFLUKE + TAPE, Kyron AH
Resorantel 25% m/v.
ORAL DRENCH G3762
Indications: B, O, Cap: Tapeworms and conical fluke. –B, O, Cap, Ostriches.
5L
Dosage: B, O, Cap: 1ml/4kg bm orally.
W/T: Meat 2 days. Milk 2 days.
See also IDR page 415

DOUVISTOME, Ceva AH
Oxyclozanide 3,4g/100ml.
Oral suspension G4185
Indications: Treatment and control of liver fluke, giant liver fluke and conical fluke. –B.
1L, 2,5L, 5L
Dosage: Shake well before use. 15ml/50kg bm. More than 350kg bm 100ml/animal.
W/T: Meat and offal 14 days. Milk 0 days.
See also IDR page 209

ENDOJECT + FLUKE, Kyron AH
Closantel 7,5% m/v.
INJECTABLE SOLUTION G3648
Indications: Liver fluke and roundworm remedy with residual action against re-infestation of wireworm, hookworm and nodularworm. –B.
500ml
Dosage: 1ml/30kg bm. See literature.
W/T: Meat 30 days.
C/I: Do not use in cows where milk is intended for human consumption.
See also IDR page 423

LINTEX-L, Elanco AH
Niclosamide 20% m/v.
LIQUID G447
Indications: Tapeworm. –O, B, Cap. Immature conical fluke. –O, Cap.
200ml, 1L, 2L, 5L
Dosage: Sheep, goats and calves 1ml/4kg bm.
W/T: Meat 7 days.
See also IDR page 318

NASALCUR®, Intervet SA (MSD Animal Health)
Rafoxanide 3,0% m/v.
LIQUID G1831
Indications: Cap, O: Nasal-, wireworm and liverfluke. B: Liverfluke and wireworm. –B, Cap, O.
(200ml) 1 (5; 10)L

Dosage: Cap, O: 2,5ml/10kg bm.
B: 12,5ml/50kg bm. Use as an oral drench.
C/I: Not for animals whose milk or milk products are intended for human consumption.
W/T: Meat 28 days.
P/I: Do not treat more frequently than every 3 weeks.
See also IDR page 555

PRODOSE® YELLOW LA, Virbac
Closantel 7,5% m/v.
ORAL SOLUTION G1959
Indications: Liver fluke, conical fluke, nasal- and roundworm with residual efficacy against re-infestation of wire- and hookworm. –O, Cap.
500ml, 1 (5;10)L
Dosage: 1ml/10kg bm. See literature.
C/I: Unweaned angora goats.
W/T: Meat 30 days.
P/I: Not for use in goats producing milk for human consumption. Do not treat animals more frequently than every 5 weeks. Vacc. animals against enterotoxaemia before treating.

See also IDR page 751
SYMPHONY™, Elanco AH
Nitroxylnil 34% m/v.
INJECTION G4476
Indications: B: For the treatment of wireworm, hookworm, nodularworm, *Parafilaria bovicola* (false bruising) and liver fluke. O: For the treatment of wireworm (including Whiteriver, Nootigedacht and Kokstad resistant strains), nodularworm, nasal bot and liver fluke. –B, O.
1L
Dosage: Standard dose: Liver fluke and roundworms other than *Parafilaria*: 1,5ml sc/50kg bm. *Parafilaria bovicola* (false bruising): double dose. O: Liver fluke, wireworm and nasal bot: 1ml sc/25kg bm. See literature.

W/T: Meat: Liver fluke & roundworms (standard dose): B: 60 days; O: 45 days; *Parafilaria* (double dose): B: 70 days. Milk: B: Liver fluke & roundworms (standard dose): 3 days.
C/I: Do not treat lactating cows against *Parafilaria* (double dose) if the milk is used for human consumption. Do not treat pregnant cows with a double dose.
P/I: Vacc. all stock against blackquarter at least 3 weeks before injecting with Symphony™.
See also IDR page 345

WIRECIDE F, Virbac
Nitroxylnil 34% m/v.
INJECTION G3780
Indications: B: For the treatment of wireworm, hookworm, nodular worm, *Parafilaria bovicola* (false bruising) and liver fluke. O: For the treatment of wireworm (including Whiteriver, Nootigedacht and Kokstad resistant strains), nodular worm, nasal bot and liver fluke. –B, O.
1 L

Dosage: B: sc only. Standard dose: Liver fluke and roundworms other than *Parafilaria*: Treat at the rate of 1,5ml/50kg bm. Double dose: *Parafilaria bovicola*: 3ml/50kg bm. Treat slaughter stock at least 70 days before marketing. O: sc only. Liver fluke, wireworm and nasal bot: 1ml/25kg bm.
C/I: Do not treat against *Parafilaria* if the milk is to be used for human consumption.
W/T: Meat – liver fluke and roundworms: B: 60 days. O: 45 days. *Parafilaria*: 70 days. Milk – liver fluke and roundworms: 3 days.
P/I: Do not exceed recommended dosage. Vacc. all stock against blackquarter at least 3 weeks before injecting with Wirecide F.
See also IDR page 773

16.1.2.4. Imidazoles

ERADIWORM 25, ECO (Afrivet)
Levamisole hydrochloride 2,5% m/v.
ORAL DRENCH G4249
Indications: Roundworm remedy. –B, Cap, O, Ostriches.
200ml, 1L, 5L, 10L
Dosage: B: 15ml/50kg bm. Cap, O: 3ml/10kg bm. Ostriches: 12ml/10kg bm.
W/T: Meat 7 days.
P/I: Vacc. sheep and goats against enterotoxaemia before treatment.
See also IDR page 30

ERADIWORM CONCENTRATE, ECO (Afrivet)
Levamisole hydrochloride 25% m/v.
CONCENTRATED SOLUTION G4250
Indications: Roundworm remedy. –B, Cap, O, Ostriches.
500ml
Dosage: Dilute 500ml/4,5L water, then dose. B: 15ml/50kg bm. Cap, O: 3ml/10kg bm. Ostriches: 12ml/10kg bm.
W/T: Meat 7 days.
P/I: Vacc. sheep and goats against enterotoxaemia before treatment.
See also IDR page 30, 31

LEVAMINTIC CONCENTRATE, Kyron AH
Levamisole HCl 25% m/v.
CONCENTRATE G3569
Indications: Roundworm remedy. –B, Cap, O.
500ml
Dosage: Dilute 500ml/4,5L water, then dose. B: 15ml/50kg bm. O, cap: 3ml/10kg bm.
W/T: Meat 7 days.
P/I: Vacc. sheep and goats against pulpy kidney disease before admin.
See also IDR page 441
LEVICON, Elanco AH
Levamisole HCl 25% m/v.
LIQUID G1122
Indications: Roundworms. –B, Cap, O, Ostriches.
500ml

Dosage: Dilute 500ml: 4,5L water, then dose: O, Cap: 3ml/10kg bm. B: 15ml/50kg bm.
W/T: Meat 7 days.
P/I: Cap, O: Vacc. against enterotoxaemia before dosing.

See also IDR page 316

PRODOSE® RED, Virbac
Levamisole hydrochloride 2,56% m/v.
ORAL SOLUTION G2012
Indications: Roundworms. –B, O, Cap, Ostriches.
200ml, 1L, 5L, 10L
Dosage: Drench only. B: 15ml/50kg bm. Cap, O: 3ml/10kg bm. Ostriches: 6ml/5kg bm.
C/I: Late pregnancy.
W/T: Meat 7 days.
P/I: O, Cap: Vacc. against enterotoxaemia before treatment.
See also IDR page 749

PRODOSE® RED SOLUBLE POWDER, Virbac
Levamisole hydrochloride 99% m/m.
SOLUBLE POWDER G2166
Indications: Roundworms. –B, O, Cap, Ostriches.
10 x 128g
Dosage: B, O, Cap - Dissolve 1 sachet in 5L water (6,4% solution). Use only as a drench. Use within 3 days. Ostriches - Dissolve 1 sachet in 2L water (2,56% solution). Use only as a drench. Use within 3 days.
S/E: Transient allergic reactions can be treated with antihistamine. Do not use cortisone.
C/I: Late pregnancy.
W/T: Meat 7 days.
P/I: O, Cap: Vacc. against enterotoxaemia before treatment.
See also IDR page 750

TRAMISOL® CONCENTRATE, Intervet SA (MSD Animal Health)
Levamisole HCl 25% m/v.
ORAL SOLUTION G0806
Indications: Roundworm remedy. –B, O, Cap, Ostriches.
500ml
Dosage: Dilute the contents of one 500ml pack with 4,5L of clean water. After dilution use within 30 days. O, Cap: 3ml/10 kg bm. B: 15ml/50kg bm.
W/T: Meat 7 days.
P/I: Vacc. sheep and goats against enterotoxaemia before admin. Does not stain wool or mohair.
See also IDR page 650

16.1.2.5. Piperazines

16.1.2.6. Others

BRUTEL, Elanco AH
Praziquantel 3,75% m/v.
LIQUID G2396

Indications: O: Intestinal and hepatic tapeworms. –O, B, Ostriches.
1 (5)L
Dosage: O: 2-4ml/15kg bm depending on tapeworm species.
P/I: Vacc. sheep against enterotoxaemia before dosing.
See also IDR page 288
ECOTEL 2,5 %, ECO (Afrivet)
Praziquantel 2,5% m/v.
ORAL DRENCH G3162
Indications: B and Ostriches: Tapeworm. O: Intestinal and hepatic tapeworms. –B, O, Ostriches.
200ml 1L, 5L
Dosage: B: 2ml/10kg bm. O: Milk/serrated tapeworm 2ml/10kg bm; Narrow tapeworm: 3ml/10kg bm; Liver tapeworm: 4ml/10kg bm; Ostriches 3ml/10kg bm.
See also IDR page 24
MAXI-LINT, Kyron AH
Praziquantel 2,5% m/v.
ORAL DRENCH G3659
Indications: Tapeworm remedy. –B, O, Ostriches.
1L, 5L
Dosage: B: Milk tapeworm: 2ml/10kg bm. O: Milk tapeworm and serrated tapeworm: 2ml/10kg bm. Narrow tapeworm: 3ml/10kg bm. Liver tapeworm: 4ml/10kg bm.
See also IDR page 444

PRESTIN, Ceva AH
Praziquantel 2,5% m/v.
DRENCH G3470
Indications: Treats tapeworm. –B, O, Cap, Ostriches.
5L, 10L, 20L
Dosage: Calves, O, Cap: Milk- and serrated tapeworm: 2ml/10kg bm; normal tape worm: 3ml/10kg bm; liver tapeworm: 6ml/10kg bm.
P/I: Vacc. sheep against pulpy kidney disease before admin.
See also IDR page 229

UNI-DOSE, Intervet SA (MSD Animal Health)
Trichlorfon 20% m/v.
LIQUID G3078
Indications: Wireworm and nasal bot remedy for sheep. –Cap.
1(5)L
Dosage: 2,5ml/10kg body mass. See literature.
W/T: Meat 7 days.
P/I: Sheep must be inoculated against enterotoxaemia before dosing. Do not mix with other substances. Sheep with severe anaemia and/or stress should be handled with great care during dosing.
See also IDR page 654

ZOLVIX 25 MG/ML, Elanco AH
Monepantel (INN) 25mg/ml.
ORAL SOLUTION G3913

Indications: Treatment of roundworms. Effective against strains resistant to (pro) benzimidazoles, levamisole, morantel and macrocyclic lactones. –O.
1L, 2,5L
Dosage: 1,5ml/10-15kg bm as single treatment, orally on the back of the tongue.
W/T: Meat 10 days. Do not use in lactating animals producing milk for human consumption.
C/I: The efficacy has not been established in sheep <10kg. Safety has not been established in sheep <10kg or <2 weeks of age.
See also IDR page 350

16.1.2.7. Combinations

ALLEGRO+FLUKE™, Elanco AH
Ivermectin 1% m/v, clorsulon 10% m/v.
INJECTABLE SOLUTION G4478
Indications: B, O: For the treatment of gastrointestinal roundworms including *Parafilaria* and liver fluke. B: Kills sucking lice and mange mites. Controls sand tampans. O: Kills sheep scab mites. Controls Australian itch mites. –B, O.
500ml, 1L
Dosage: 1ml sc/50kg bm.
W/T: Meat 28 days. Milk 28 days.
C/I: Do not admin. iv. Cattle im or sc. Sheep admin. sc only. Do not admin. to animals younger than 6 weeks.
P/I: Vacc. cattle against *Clostridium* infections. Vacc. sheep against pulpy kidney (enterotoxaemia) before treatment.
See also IDR page 264

ATTILA, Kyron AH
Fipronil 0,9% m/v, abamectin 0,5% m/v.
POUR-ON G4197
Indications: A ready-to-use pour-on for the control of internal and external parasites for cattle. –B.
500ml, 1L, 5L
Dosage: 1ml per 10kg. Apply in two lines, on both sides of the spinal column, from the poll of the head to the tail root.
W/T: Meat 105 days.
C/I: Do not apply to lactating animals.
See also IDR page 407

CEVA SUPER, Ceva AH
Ivermectin 1% m/v, clorsulon 10% m/v.
INJECTION G4153
Indications: An antiparasitic remedy. –B.
500ml
Dosage: 1ml/50kg bm sc. Do not inject more than 15ml/injection site.
W/T: Meat 49 days.
C/I: Do not treat cattle whose milk or milk products are intended for human consumption.
See also IDR page 187

COMBI DOSE 3 ORAL DRENCH, Antrovet AH
Ivermectin 0,2% m/v, triclabendazole 10,0% m/v, levamisole 8,0% m/v.

ORAL DRENCH G4392
Indications: Roundworm, nasal bots, liver fluke, itch mite remedy. –O, Cap.
Dose: Dose orally at 1ml/10kg bm.
5L
W/T: Meat 32 days. Do not use in lactating animals producing milk for human consumption or within 32 days of lambing.
P/I: Vacc. against clostridial infections e.g. pulpy kidney (enterotoxaemia), at least 3 weeks prior to treatment.

COMBI DOSE 4 ORAL DRENCH, Antrovet AH
Praziquantel 2,5% m/v, levamisole 4% m/v, closantel 75% m/v, ivermectin 10% m/v, sodium selenite 11% m/v, cobalt chloride 10% m/v.
ORAL DRENCH G4394
Indications: Roundworm, tapeworm, nasalworm, liver fluke and conical fluke remedy for sheep and goats. Particularly where selenium and cobalt supplementation is required. –O, Cap.
Dosage: Dose orally at 1ml/5kg bm.
5L
W/T: Meat 49 days.
C/I: Do not admin. cortisone.
P/I: Vacc. against clostridial infections e.g., pulpy kidney (enterotoxaemia), at least 3 weeks prior to treatment.
See also IDR page 83

CYDECTIN® PLUS TAPE ORAL DRENCH, Zoetis
Moxidectin 1mg/ml, praziquantel 18,8mg/ml.
ORAL DRENCH G3407
Indications: Antiparasitic dosing remedy with residual activity against two important roundworm species. Effective against wireworm, brown stomachworm, bankruptworm, long-necked bankruptworm, white bankruptworm, nodularworm, large-mouthed bowelworm, lungworm. Controls milk tapeworm. Controls itch mites. –O.
5L
Dosage: Dose orally at 1ml/5kg bm.
W/T: Meat 7 days.
C/I: Not to be used in animals producing milk for human consumption.
P/I: Vacc. sheep against pulpy kidney disease before treatment. May be used in animals of any age, including pregnant and breeding animals.
See also IDR page 807

ENDEX® CATTLE, SHEEP AND GOAT DRENCH, Elanco AH
Triclabendazole 120g/L, levamisole HCl 75g/L.
DRENCH G3057
Indications: Remedy for cattle, sheep and goats against roundworm, liver fluke and giant liver fluke. –B, O, Cap.
5L
Dosage: 1m/10kg bm.
W/T: Meat. B: 28 days. O, Cap: 35 days.

C/I: Do not treat lactating cows, sheep or goats producing milk for human consumption.
P/I: Immunise animals against pulpy kidney disease before treatment.
See also IDR page 309
ENDO+LINT, Kyron AH
Levamisole HCl 37,5mg, praziquantel 18,8mg/ml.
ORAL DRENCH G3570
Indications: Roundworm and tapeworm remedy. –B, O, Cap, Ostriches.
200ml, 500ml, 1L, 5L, 10L
Dosage: B: 10ml/50kg bm. O and Cap: 2ml/10kg bm.
W/T: Meat 7 days.
P/I: Immunise sheep and goats against pulpy kidney disease before treatment.
See also IDR page 424

ENDOTAPE, Elanco AH
Levamisole HCl 37,5mg, praziquantel 18,8mg/ml.
LIQUID G2364
Indications: B: Wire-, brown stomach-, cattle bankrupt-, nodular-, hook-, milk tapeworm. O, Cap: Wire-, brown stomach-, bankrupt-, long-necked bankrupt-, large-mouthed bowel-, nodular-, lung-, hook- and milk tapeworm. –O, Cap, Ostriches.
200ml (1;5;10)L
Dosage: B: 10ml/50kg bm. Cap, O: 2ml/10kg bm.
W/T: Meat 7 days.
P/I: Vacc. Cap, O against enterotoxaemia before dosing.
See also IDR page 309

ERADIWORM PLUS, Burke AH (Afrivet)
Levamisole 3% m/v, rafoxanide 3% m/v.
ORAL DRENCH G4265
Indications: B, Cap, O: Roundworm and liver fluke. Cap, O: Nasal bot. –B, Cap, O.
500ml, 1L, 5L, 10L
Dosage: B: 12,5ml/ 50kg bm. Cap, O: 2,5ml/10kg bm. Do not treat animals more frequently than every 3 weeks. Do not treat lambs under the age of 6 weeks.
W/T: Meat 28 days.
C/I: Do not use milk of treated animals for human consumption.
P/I: Vacc. sheep and goats against enterotoxaemia before treatment.
See also IDR page 31

ERADIWORM TAPE, ECO (Afrivet)
Levamisole HCl 37,5mg, praziquantel 18,8mg/ml.
ORAL DRENCH G4244
Indications: Roundworm and tapeworm remedy. –B, O, Cap, Ostriches.
200ml, 1L, 5L
Dosage: B: 10ml/50kg bm. Cap, O: 2ml/10kg bm. Ostriches: 1ml/1kg bm.
W/T: Meat 7 days.
P/I: Vacc. sheep and goats against enterotoxaemia before treatment.
See also IDR page 32

EXPEL™ PLUS JETTING FLUID, Afrivet
Ivermectin 3% m/v, novaluron 2% m/v.
JETTING FLUID G4027
Indications: Kills red lice on sheep and goats. Kills blowfly maggots in sheep. Prevents blowfly strike for up to 16 weeks. Kills sheep scab mites. –O, Cap.
1L, 5L
Dosage: Plunge dip: 1L/1000L water. Jetting: 100ml/100L water. See literature.
W/T: Meat 70 days.
C/I: Do not use milk from treated animals for human consumption.
P/I: Do not contaminate water sources. Dangerous to fish and aquatic life.
See also IDR page 33

FLUKAZOLE C, Virbac
Triclabendazole 12% m/v, oxfendazole 4,53% m/v.
LIQUID G3533
Indications: For the control of liver fluke, roundworms, lungworms and tapeworms. –B, O.
250ml, 1L, 5L, 25L
Dosage: 1ml/10kg bm orally. Cattle in excess of 650kg bm should be dosed at 5ml/50kg bm. Dose the group according to the bm of the heaviest animal in the group.
Efficacy: See literature.
W/T: Meat 28 days. Do not use less than 21 days before calving/lambing, in animals where milk and milk products from treated animals may be used for human consumption.
P/I: Do not dose lactating animals whose milk or milk products are intended for human consumption.
See also IDR page 717

FLUXACUR® NF, Intervet SA (MSD Animal Health)
Abamectin 0,2% m/v, triclabendazole 10% m/v.
LIQUID G3202
Indications: B: Internal parasites, liver fluke. O, Cap: Internal parasites, nasal bot, liver fluke. O: Itch mite. –B, Cap, O.
1 + 5L
Dosage: 1ml/10kg bm orally.
C/I: Animals producing milk for human consumption, during lactation or within 28 days before commencement of lactation.
W/T: B: Meat 28 days. O, Cap: Meat 21 days.
P/I: Do not use in animals <4 months of age. Treat sheep and goats against enteroxaemia before dosing. Do not treat recovering, weak or stressed animals.
See also IDR page 527

IVER-JECT SUPER FLUKE, Antrovet AH
Ivermectin 1% m/v, clorsulon 10% m/v.
INJECTABLE SOLUTION G4358
Indications: For the treatment and control of internal and external parasites. –B.
500ml
Dosage: 1ml sc/50kg bm. Inject in front or behind the shoulder blade. For the control

of blue ticks repeat every 21 days.
Efficacy: See literature.
W/T: Meat 32 days.
C/I: Do not use in lactating animals where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days before calving.
See also IDR page 90

IVOMEC SUPER INJECTION, Boehringer
Ivermectin 1% m/v, clorsulon 10% m/v.
INJECTION G2629
Indications: B: Controls wire-, brown stomach-, cattle bankrupt-, hook-, nodular-, lung- and adult eyeworm, adult liver- and adult giant liverfluke. Aids in the control of *Parafilaria*. O: Controls wire-, brown stomach-, bankrupt-, hook-, nodular-, large-mouthed bowel-, lung-, immature long-necked bankrupt- and nasal bot. –B, O, 50, 200ml, 500ml
Dosage: B: 1ml/50kg bm sc; O: 0.5ml/25kg bm sc.
W/T: Meat 28 days. Milk 28 days.
P/I: Do not admin. iv or im. Vacc. cattle against black quarter, malignant oedema and sheep against enterotoxaemia before treatment.
See also IDR page 131

LEVISAN, Elanco AH
Levamisole HCl 2,5% m/v, oxcyclozanide 3,4% m/v.
LIQUID G1443
Indications: B: Roundworm, liver fluke, conical fluke. Cap, O: Roundworm, liverfluke. –B, Cap, O, 500ml, (5;20)L
Dosage: B: 15ml/50kg bm. Conical fluke: 3ml/10kg bm. Repeat dose 72 hrs later. Cap, O: 3ml/10kg bm.
W/T: Meat 7 days.
P/I: Cap, O: Vacc. against enterotoxaemia before treating.
See also IDR page 317

LEVOXY 5,9 %, Kyron AH
Levamisole hydrochloride 2,5% m/v, oxcyclozanide 3,4% m/v.
ORAL DRENCH G4148
Indications: Roundworm, liver fluke and conical fluke remedy for cattle and sheep. –B, O, 1L, 5L, 10L
Dosage: B: 15ml/50kg bm, O: 3ml/10kg bm.
W/T: Meat 21 days. Milk 2 days.
P/I: Not be admin. to sheep that have not been immunised against pulpy kidney disease.
See also IDR page 441

LONGRANGE, Antrovat AH
Fluazuron 12,5g, ivermectin 3,15g/100ml.
INJECTABLE SOLUTION G4328
Indications: For the treatment and control of internal and external parasites. –B. Controls bankruptworm (*Cooperia* spp.)

for 35 days; Controls wireworm (*H. placei*) and brown stomachworm (*O. ostertagi*) for 42 days; Controls hookworm (*B. phlebotomum*) and nodularworm (*O. radiatum*) for 49 days. Prevents re-infestation of blue ticks for up to 112 days. 500ml
Dosage: 1ml sc/50kg bm. Inject behind the shoulder blade.
W/T: Meat 80 days.
C/I: Do not use in cows producing milk for human consumption.
See also IDR page 91

MAXICARE, Ceva AH
Albendazole 1,9% m/v, closantel 3,0% m/v.
ORAL DRENCH G3145
Indications: Roundworm, lungworm, milk tapeworm, adult liverfluke and nasal bot remedy. Has residual protection against re-infestation of wireworm and hookworm. –O, Cap, 200ml, 500ml, 2L, 5L and 10L
Dosage: O, Cap: 2ml/10kg bm.
C/I: Do not use in in sheep and goats whose milk is intended for human consumption.
W/T: Meat 30 days.
P/I: Vacc. sheep against pulpy kidney disease before dosing.
See also IDR page 226

MAXIMUS, Antrovat AH
Fipronil 0,9% m/v, abamectin 0,5% m/v.
POUR-ON G4395
Indications: A ready-to-use pour-on antiparasitic. –B, 500ml, 1L, 5L, 20L
Dosage: 1ml/10kg bm. Ready-to-use pour-on. Apply in two lines, on both sides of the spinal column, from the poll of the head to the tail root. Efficacy: See literature.
W/T: Meat 105 days.
C/I: Do not apply to lactating animals where the milk is intended for human consumption.
P/I: Do not apply to wet animals or if rain is expected shortly after application.
See also IDR page 92

MOXZIBEN SHEEP DRENCH, Afrivet
Triclabendazole 5,0%, praziquantel 3,75%, moxidectin 0,10 % m/v.
DRENCH G4040
Indications: Deworming drench for sheep for the control of roundworms. –O. 100ml, 200ml, 250ml, 500ml
Dosage: 4,0ml/20kg.
W/T: Meat 10 days.
C/I: Do not use in sheep producing milk for human consumption.
P/I: Vacc. sheep against pulpy kidney 3 weeks prior to treatment.
See also IDR page 43

MULTIDIP, Virbac
Cymiazole 175g/L, cypermethrin 25g/L.
EMULSIFIABLE CONCENTRATE G4444

Indications: Control ticks and kills lice. It has a tick-detaching effect. Controls nuisance, biting and face flies. Protects against screw-worm infestation in cattle. –B. 100ml, 500ml, 1L, 5L, 20L
Dosage: Pre-mixing: Add a measured volume of concentrate to double that volume of water (whilst stirring) to produce a creamy emulsion. Add this pre-mix to the bulk of the water in the dip tank or spray race sump. Dip calves under 3 months of age separately. Ticks, flies and screw-worms: Dip or spray weekly. Lice: Dip or spray when necessary. See literature.

W/T: Meat 7 days. Milk 0 days. No milk withdrawals.
C/I: Do not mix with any other dip.
P/I: Do not contaminate water sources. Extremely toxic to fish. Poisonous by contact, swallowing or inhalation.
See also IDR page 734

NEM-A-FLUKE, Intervet SA (MSD Animal Health)
Levamisole hydrochloride 2,5% m/v, oxcyclozanide 3,4% m/v.
LIQUID G3563
Indications: Roundworm and liver fluke remedy. Controls adult and immature stages of conical fluke (*Calicophoron* spp.). –B, O, Cap, 1L, 5L, 10L
Dosage: B: 15ml/50kg bm. O, Cap: 3ml/10kg bm. B, O, Cap treatment of conical fluke: 3ml/10kg bm followed by a second identical dose 72 hours later.
W/T: Meat 7 days.
P/I: Vacc. sheep and goats against pulpy kidney disease before admin.
See also IDR page 555

NEM-A-RID® 3,75 %, Intervet SA (MSD Animal Health)
Levamisole hydrochloride 3,75% m/v, rafoxanide 3,75% m/v.
LIQUID G3548
Indications: B, O, Cap: Roundworm and liver fluke. O, Cap: Nasal bot. –B, O, Cap, 1L, 5L, 10L
Dosage: B: 10ml/50kg bm. O, Cap: 2ml/10kg bm.

C/I: Do not use in lactating animals or animals whose milk are intended for human consumption.
W/T: Meat 28 days.
P/I: Vacc. sheep and goats against pulpy kidney before dosing.
See also IDR page 556

NEM-A-RID® ORANGE, Intervet SA (MSD Animal Health)
Albendazole 1,9% m/v, closantel 3,0% m/v.
DRENCH G4370
Indications: A roundworm, lungworm, milk tapeworm, liver fluke and nasal bot endoparasiticide with residual protection against reinfestation of wireworm and hookworm. –O, Cap.

2L, 5L and 10L
Dosage: Use as oral drench. O, Cap: 2ml/10kg bm. Efficacy: See literature.
W/T: Meat 30 days.
C/I: Do not use in goats and sheep whose milk is intended for human consumption. Do not treat animals more frequently than every 3 weeks.
P/I: Vacc. sheep and goats against enteroxaemia before treatment. Do not exceed recomm. dose in ewes during the mating season, or in 1st month of pregnancy.
See also IDR page 557

NEMAROX, Kyron AH
Levamisole 2,5% m/v, rafoxanide 2,5% m/v.
ORAL DRENCH G3828
Indications: B, O, Cap: Roundworms and liverfluke. O, Cap: Nasal bot. 1L, 5L, 10L
Dosage: Use as an oral drench. B: 15ml/50kg bm. O, Cap: 3ml/10kg bm.
W/T: Meat 28 days.
C/I: Do not use milk of treated animals for human consumption. Do not treat lambs <6 weeks of age.
P/I: It is recommended that sheep be vacc. against pulpy kidney disease before any worm remedy is admin.
See also IDR page 451

OVI DOSE 3, Kyron AH
Ivermectin 0,2% m/v, triclabendazole 10,0% m/v, Levamisole 8,0% m/v.
ORAL DRENCH G3916
Indications: For the control of roundworms, liver fluke (*F. hepatica* and *F. gigantica*), nasal bots (all stages) and Australian itch mites. –O, Cap, 5L
Dosage: 1ml/10kg bm orally.
W/T: Meat 32 days.
C/I: Do not treat animals producing milk for human consumption during lactation or within 32 days of lambing/kidding.
P/I: Vacc. animals against enterotoxaemia prior to treatment.
See also IDR page 453

OVI DOSE 4, Kyron AH
Praziquantel 2,50 % m/v, levamisole 4,0% m/v, closantel 3,75% m/v, ivermectin 0,10% m/v, sodium selenite 0,11% m/v, cobalt chloride 0,10% m/v.
ORAL DRENCH G4041
Indications: Roundworm, tape worm, nasal bot, liver fluke and conical fluke remedy. –O. 500ml, 5L
Dosage: 1ml/5kg orally.
W/T: 49 days.
P/I: Vacc. against pulpy kidney disease prior to treatment.
See also IDR page 454

PRODOSE® ORANGE, Virbac
Albendazole 1,90%, closantel (as sodium) 3,94% m/v.
SUSPENSION G2101

Indications: Liver fluke, nasal-, round- and milk tapeworms. Residual protection against re-infestation of wire- and hookworms. –O, Cap, 250ml, 500ml, 1L, 5L, 10L, 25L
Dosage: 2ml/10kg bm. Not more frequently than every 5 weeks.
C/I: Not for goats producing milk for human consumption.
W/T: Meat 30 days.
P/I: Vacc. against enterotoxaemia before treatment.
See also IDR page 748

SOVEREIGN®, Intervet SA (MSD Animal Health)
Ivermectin 15g/L, triclabendazole 240g/L.
POUR-ON G3831
Indications: Pour-on acaricide, flukicide and anthelmintic. Treatment and control of liver fluke: *Fasciola hepatica*, *Fasciola gigantica*, as well as ivermectin sensitive GI nematodes: brown stomachworm, wireworm, cattle bankruptworm, nodularworm, lungworm, eyeworm. Controls blue tick numbers but does not to prevent tick-borne diseases. See literature. –B, 1L, 2L, 5L, 10L, 15L, 20L, 25L
Dosage: 1ml/10kg bm. Pour along the top line, on a concentrated area, middle of the back to the base of the tail.
W/T: Meat 39 days. Milk – Do not use in animals producing milk for human consumption.
See also IDR page 644

STARTECT, Zoetis
Derquantel 10mg, abamectin 1mg/ml.
DRENCH G3889
Indications: A broad spectrum oral combination drench effective against adult and immature stages of sensitive strains of internal parasites. Controls nasal bot larvae and itch mites. –O. 5L
Dosage: 1ml/5kg bm orally.
W/T: Meat 14 days.
C/I: Do not use in sheep where the milk is intended for human consumption.
P/I: Extremely toxic to horses. Do not use in other species. Vacc. sheep against enteroxaemia before treatment.
See also IDR page 873

TRAMISOL® PLUS, Intervet SA (MSD Animal Health)
Levamisole HCl 2,5% m/v, rafoxanide 2,5% m/v.
ORAL SOLUTION G1830
Indications: B, O, Cap: Roundworm- and liver fluke remedy. O, Cap: Nasalworm remedy. –B, O, Cap, 200ml, 1L, 5L, 10L
Dosage: O, Cap: 3ml/10kg bm. B: 15ml/10kg bm. Do not treat animals more frequently than every 3 weeks.
W/T: Meat 28 days. Milk or milk products from treated animals must not be used for human consumption.

P/I: Vacc. sheep and goats against enterotoxaemia before admin.
See also IDR page 651

TRAMIZAN®, Intervet SA (MSD Animal Health)
Levamisole HCl 2,5% m/v, oxcyclozanide 3,4% m/v.
ORAL SOLUTION G0809
Indications: Roundworm, liver- and conical fluke remedy. –B, O, Cap, 1L, 5L, 10L
Dosage: B: 15ml/50kg bm. O, Cap: 3ml/10kg bm. Follow initial dose with a 2nd dose 72 hours later.
W/T: Meat 7 days
P/I: Vacc. sheep and goats against enterotoxaemia before admin.
See also IDR page 652

TRINEX PLUS 19,5 %, Kyron AH
Levamisole 7,5% m/v, triclabendazole 12,0% m/v.
ORAL DRENCH G3814
Indications: Broad spectrum anthelmintic drench. For the treatment and control of GI nematodes, lungworms and liver fluke. –B, O, Cap, 1L, 5L
Dosage: Single oral dose of 1ml/10kg bm.
W/T: Meat 35 days.
C/I: Do not treat lactating cows, sheep or goats producing milk for human consumption.
P/I: Vacc. sheep and goats against pulpy kidney disease before admin.
See also IDR page 463

VALBANTEL, Zoetis
Albendazole 1,9% m/v, closantel sodium 3% m/v.
SUSPENSION G732
Indications: Round-, lung-, milk tapeworm, liver fluke, nasal bot. Residual protection re-infestation wire- and hookworm. – Cap, O, 500ml, 2L, 5L, 10L
Dosage: 2ml/10kg bm.
W/T: Meat 30 days.
C/I: Goats producing milk for human consumption.
P/I: Vacc. animals against enterotoxaemia before treatment. Do not treat more frequently than every 3 weeks.
See also IDR page 886

VIRBAMAX FIRST DRENCH™, Virbac
Abamectin 0,08%, praziquantel 1,50%.
SOLUTION G3084
Indications: Oral anthelmintic for the control of roundworms, tapeworms, and nasal worm. –B, O, Cap, Ostriches. 250ml, 500ml, 1L, 5L, 10L
Dosage: 2,5ml/10kg bm. Safe for use in lambs and kids over 6 weeks of age.
W/T: Meat 14 days. Milk 28 days.
P/I: Immunise sheep and goats against enteroxaemia before dosing. Do not admin. to lambs and kids under 6 weeks of age.
See also IDR page 766

VIRBAMEC®L, Virbac
Ivermectin 1% m/v, clorsulon 10% m/v.
SOLUTION G3269
Indications: Roundworms, Liver fluke. –B, O.
500ml, 1L
Dosage: B: 1ml/50kg bm, im or sc.
O: 1ml/50kg bm, sc.
C/I: Do not use in lactating animals or where milk or milk products are intended for human consumption.
W/T: Meat 28 days. Milk 28 days.
See also IDR page 769

VIRBAMEC® LA, Virbac
Ivermectin 1% m/v.
INJECTION G2885
Indications: B: Controls roundworms, kills sucking lice, biting lice, warble flies, mange mites, sandtampans, cattle screw-worms, blue ticks. –B, O, P.
(10,50,500)ml, 1L
Dosage: B: 1ml/50kg bm sc or im. O: 1ml/50kg bm sc. P: 1ml/33kg bm sc or im.
Ostriches: 1ml/50kg bm sc only.
C/I: Do not admin. iv in cattle or sheep or im in sheep.
W/T: Meat 42 days. Milk 42 days.
P/I: Not for use in lactating cattle or sheep where milk/milk products are used for human consumption. Vacc. cattle against clostridial infections and sheep against enterotoxaemia before treatment.
See also IDR page 771

16.1.3. Pigs

16.1.3.1. Benzimidazoles and probenzimidazoles

PANACUR® 4 %, Intervet SA (MSD Animal Health)
Fenbendazole 4,0% m/m.
POWDER G0169
Indications: P, B: Roundworms.
O, Cap: Roundworms and milk tapeworm.
–B, Cap, O, P.
1kg
Dosage: P, B, O, Cap (roundworm): 1,25g/10kg bm. O, Cap (milk tapeworm): 2,5g/10kg bm.
W/T: Meat 7 days.
See also IDR page 605

★ **PANACUR® AQUASOL, Intervet SA (MSD Animal Health)**
Fenbendazole 200mg/ml. Preservative: Benzyl alcohol 20mg/ml.
ORAL SUSPENSION G4316
Indications: For the treatment and control of GI nematodes in pigs infected with *Ascaris suum* (adult, intestinal and migrating larval stages), *Oesophagostomum* spp. (adult stages), *Hyostongylus rubidus* (adult and larval stages), and *Trichuris suis* (adult stages) and in chickens infected with *Ascaridia galli*

and *Heterakis gallinarium* (pre-adult and adult stages). Has an ovicidal effect on nematode eggs. –P, Poultry.
1L, 4L
Dosage: P: 0,0125mg/kg bm/day. *Ascaris suum*, *Oesophagostomum* spp. and *Hyostongylus rubidus*: admin. for 2 consecutive days. *Trichuris suis*: admin. for 3 consecutive days. Chickens: 0,005mg/kg bm/day for 5 consecutive days. See literature.
W/T: Pigs: Meat and offal 4 days. Chickens: Meat and offal 6 days; Eggs 0 days.
See also IDR page 606

PARANTHIC 10 %, Afrivet
Oxfendazole 10g/100ml.
ORAL SUSPENSION G4511
Indications: For the treatment and control of gastrointestinal roundworms, lung worms, cestodes and cysticercosis. –P.
250ml, 1L, 5L
Dosage: 3ml/kg bm as a single dose.
W/T: Meat 24 days.
P/I: Use within 28 days after opening.
See also IDR page 46

PIGFEN 40 PREMIX, Huvepharma
Fenbendazole 40g/kg.
FEED ADDITIVE G4509
Indications: Treatment for pigs infected with *Ascaris suum* (adult, intestinal and migrating larval stages) susceptible to fenbendazole. –P.
5kg, 20kg
Dosage: In-feed use. Suitable for herd medication of pigs. 5mg/kg bm. Use as a single dose or over 7 or 14 days. See literature.
W/T: Meat and offal 4 days.
C/I: Do not mix product with other medications.
See also IDR page 387

16.1.3.2. Macrocyclic lactones

DECTOMAX, Zoetis
Doramectin 1% m/v.
LA INJECTION G1726
Indications: P: Roundworms (*Ascaris suum*, *Oesophagosto-mum dentatum*, *Oesophagostomum quadrispinulatum* and *Trichuris suis*) and lungworms (*Metastrongylus* spp.). It also kills sarcoptic mange mites and lice. –B, O, P, Cap.
20ml, 50ml, 200ml, 500ml
Dosage: P: 1ml/33 kg bm im.
W/T: Meat 28 days.
See also IDR page 810

ECOMECTIN PIG PREMIX, ECO (Afrivet)
Ivermectin 0,6% m/v.
PREMIX G3860
Indications: Treatment and control of gastro-intestinal roundworms and lungworms, lice and mange in adult and growing pigs. –P.
333g, 5kg
Dosage: Growing pigs: Mix with finished feed and feed continuously as only ration for 7 days. Up to 40kg bm: 333g/ton

feed. 40-100kg: 400g/ton feed. Adult pigs: 1,67kg/ton feed. Feed at a rate of 1kg/100kg bm for 7 days as part of ration. Avoid contact between treated and untreated pigs for at least 1 week after completion of treatment programme.
W/T: If more than 100kg: Meat 12 days. If less than 100kg: Meat 3 days.
C/I: Do not use for any other species as severe adverse reactions, including fatalities in dogs may occur.
P/I: Extremely dangerous to fish and aquatic life.
See also IDR page 21

16.1.3.3. Piperazines

FLUBENOL® 5 %, Elanco AH
Flubendazole 5% m/m.
ORAL PREMIX G4161
Indications: Indicated for worm infestations in breeding and fattening pigs and poultry. Infestations with gastrointestinal worms. –P, Poultry.
25kg
Dosage: See literature.
W/T: Pigs: Meat 5 days. Fowls: Meat 3 days. Turkeys: Meat 1 day. Game birds e.g. pheasants and partridges: Meat 4 days.
C/I: In pigeons and parrots and other birds not stated in the
P/I: Chickens (layers) producing eggs for human consumption: Limit dose to 30ppm for 7 days.
See also IDR page 311

16.1.3.4. Others

16.1.4. Cats and dogs

16.1.4.1. Benzimidazoles and probenzimidazoles

PANACUR® PASTE, Intervet SA (MSD Animal Health)
Fenbendazole 187,5mg/1g.
PASTE G3614
Indications: For treatment of infections with gastrointestinal nematodes. Treatment of infections with *Giardia* spp. –Can, F.
1 injector; 10 injectors
Dosage: Species specific. See literature.
See also IDR page 611

16.1.4.2. Halogenated salicylanilides and nitrophenols

16.1.4.3. Tetrahydropyrimidines

ANTEZOLE® LIQUID, Kyron Labs
Pyrantel pamoate 5% m/v.
LIQUID G2624

Indications: Roundworm, hookworm. –Can, F.
100ml with pump
Dosage: Can: 1ml/10kg bm. F: 1ml/2,5kg bm. Safe for kittens and puppies from 1 week of age.
See also IDR page 397

16.1.4.4. Piperazines

BAYOPET WORMOL, Elanco AH
Piperazine citrate 12,5%.
LIQUID G370
Indications: Roundworms. –Can, F.
50ml
Dosage: 5ml/3kg bm on empty stomach.
See also IDR page 284

16.1.4.5. Organophosphors

DICESTAL, Medpet
Dichlorophen 0,5g/tablet.
TABLETS G1622
Indications: Tapeworm. –Can, F.
10 (100) x 0,5g
Dosage: 1 tablet/2,5kg bm before main meal.
P/I: Do not repeat within 10 days.

16.1.4.6. Macrocyclic lactones

★ **REVOLUTION, Zoetis**
Selamectin 6%; Selamectin 12% m/v.
SPOT-ON SOLUTION G2819, G2820, G2821
Indications: Can, F: Treatment, control and prevention of flea infestations, control of flea allergy dermatitis, treatment and control of ear mites. Control of ticks. Treatment of lice. Prevention of heartworm. Litter protection in puppies and kittens against flea and nematode infestations after birth. May aid in the control of existing environmental flea infestations in areas to which the animal has access. Can: Treatment and control of sarcoptic mange, intestinal roundworm. F: Treatment of intestinal hookworm and roundworm. –Can, F.
6%: 0,25ml; 0,75ml
12%: 0,25ml; 0,5ml; 1ml; 2ml
Dosage: Apply topically to the skin at the recommended min. dose of 6mg selamectin/kg bm 1 x per month. See literature.
C/I: Do not use on puppies or kittens <6 weeks of age.
See also IDR page 859

16.1.4.7. Others

BAYOPET® 3 IN 1 FLAVOURED DOG DE-WORMER, Elanco AH
Praziquantel 50mg, febantel 150mg, pyrantel embonate 144mg/tablet.
TABLETS G4140
Indications: Worm remedy against adult and immature stages of ascarids, hookworms and

tapeworms, and adult whipworms. –Can. Foil wrapped sachet containing 2 tablets
Dosage: 1 tablet/10kg bm. Admin. directly, mix with meat or crush and mix with feed. Small breeds: (0,5-10kg) e.g. Pekingese, Maltese, Pug, Chihuahua and puppies, ½-1 tablet. Medium breeds: (11-20kg) e.g. Spaniel, Corgi and large-breed puppies. Large breeds: (21-40kg) e.g. Rottweiler, Doberman, German Shepherd. Extra-large breeds: (over 40kg) e.g. St. Bernard, Great Dane. See literature for full details of dosage and efficacy.
P/I: Deworm puppies every 2 weeks from the age of 2-12 weeks and at regular intervals of 3-6 months thereafter to control worm infestations.
See also IDR page 282

PROFENDER SPOT-ON, Elanco AH
Emodepside 21,4mg, praziquantel 85,8mg/ml.
SPOT-ON G3726
Indications: For the topical prevention and treatment of adult and immature stages of ascarids and hookworms and adult stages of tapeworms. –F.
4, 20 unit dose pipettes
Dosage: A single admin. per treatment is effective. Profender for small cats and kittens: >0,5kg up to 2,5kg bm: 0,35ml tube. Profender for medium cats: >2,5kg up to 5,0kg bm: 0,70ml tube. Profender for large cats: >5,0kg up to 8,0kg bm: 1,12ml tube. For cats over 8,0kg bm: Use an appropriate combination of pipettes. Treat at intervals of 3 months to control worm infestations.
C/I: Do not use on kittens under 8 weeks of age or weighing less than 0,5kg. For topical application only. Prevent licking whilst wet.
See also IDR page 336

16.1.4.8. Combinations

ADVOCATE FOR CATS, Elanco AH
Imidacloprid 10% m/v, moxidectin 1% m/v.
SPOT-ON G3665
Indications: Fleas: Kills fleas and prevents infestations for at least 4 weeks. Kills fleas before they can lay eggs. Kills flea larvae in the cat's surroundings. Treatment of mite infestation (*Otodectes cynotis*). Prevention of heartworm disease (L3 and L4 larvae of *Dirofilaria immitis*). Treatment of infections with gastrointestinal nema-todes including ascarids and hookworms L4 larvae, immature and adults stages of *Toxocara cati* and *Ancylostoma tubaeforme*.
0,4ml, 0,8ml
Dosage: Can be used on kittens over 9 weeks of age and 1kg in weight. Cats over 1kg and up to 4kg: Use one 0,4ml tube/cat. Over 4kg: Use one 0,8ml tube. Over 8kg: Use the appropriate combination of tubes. For easy application, the animal should be standing. Part the hair on the cat's neck at the base of the skull until the skin is visible. Place the tip of the tube on the skin and squeeze the tube

firmly several times to empty its contents directly onto the skin as a single spot. See literature.
C/I: Do not use in dogs.
See also IDR page 258

ADVOCATE FOR DOGS, Elanco AH
Imidacloprid 10% m/v, moxidectin 2,5% m/v.
SPOT ON G3664
Indications: Topical prevention and treatment of mixed parasitic infections. Kills fleas and prevents infestations for at least 4 weeks. Kills fleas before they can lay eggs and kills flea larvae in the dog's surroundings. Assists control of flea allergy dermatitis. Treatment of ear mite infestation, sarcoptic mange, demodectic mange. Prevention of heartworm disease. Treatment of infections with GI nematodes. Treats biting lice infestation. Prevention and treatment of spirocerosis. –Can.
0,4ml, 1ml, 2,5ml, 4ml tubes
Dosage: Use on pups over 7 weeks and 1kg bm. 1-4kg bm: 1 x 0,4ml tube. 4-10kg bm: 1 x 1ml tube. 10-25kg bm: 1 x 2,5ml tube. 25-40kg bm: 1 x 4ml tube.
C/I: Do not use on cats.
P/I: Safety during pregnancy and lactation has not been established.
See also IDR page 259

ANTEZOLE® DOG TABLETS, Kyron Labs
Praziquantel 50mg, pyrantel pamoate 140mg, oxantel pamoate 545mg/tablet.
TABLETS G2772
Indications: Broad-spectrum anthelmintic: round-, hook-, whip- and tapeworms (incl. *Echinococcus*). –Can.
50
Dosage: 1 tab./10kg bm. See literature.
See also IDR page 397

ANTEZOLE® PASTE, Kyron Labs
Praziquantel 25mg, fenbendazole 108mg, pyrantel pamoate 67mg/ml.
PASTE G2361
Indications: A worm remedy against ascarids, hookworms and tapeworms. –Can, F.
15ml, 30ml dial-a-dose syringes
Dosage: Cats: up to 9kg: 2ml. Dogs: up to 9kg: 2ml; 10-20kg: 4ml; 21-35kg: 8ml; 36-52kg: 11ml. Can be admin. directly or mixed with meat or food.
See also IDR page 397

BRAVECTO® PLUS, Intervet SA (MSD Animal Health)
Fluralaner 280mg, moxidectin 14mg/ml.
SPOT-ON SOLUTION G4408
Indications: For cats suffering from, or at risk of, mixed ecto- and endoparasitic infestations. Treatment of tick and flea infestations. Provides immediate and persistent flea and tick killing activity for 3 months. Treatment of ear mites. Prevention of heartworm disease for 3 months. Treatment of infestations of intestinal roundworm (immature adults and

adults) and hookworm (immature adults and adults). Fleas and ticks must attach to the host and commence feeding in order to be exposed to the active substance. Can be used as part of a treatment strategy for flea allergy dermatitis (FAD). –F.
1 or 2 pipettes
Dosage: Use contents of 1 whole pipette. Cats 1,2-2,8kg bm: Apply solution for small cats. >2,8-6,25kg bm: Apply solution for medium cats. >6,25-12,5kg bm: Apply solution for large cats. See literature.
C/I: Do not use directly on skin lesions or in kittens <9 weeks of age and cats <1,2 kg bm. Do not treat male breeding animals. Do not admin. at intervals shorter than 8 weeks.
P/I: Safety during pregnancy and lactation has not been established.
See also IDR page 483

BROADLINE TOP SPOT FOR CATS, Boehringer
Fipronil 83mg, (s)-methoprene 100mg, eprinomectin 4mg, praziquantel 83mg/ml.
SPOT-ON G4205
Indications: For cats with existing, or at risk from, mixed parasitic infections. Insecticidal activity against adult fleas and lice, notoedric mange, immature and adult ticks and immature fleas. Activity against gastrointestinal nematodes, lungworms and tapeworms and vesical worms. –F.
1, 3, 4 or 6 unit dose applicator
Dosage: Topical application only. 0,3ml/<2,5kg bm; 0,9 ml/2,5-7,5 kg bm. See literature.
C/I: Do not use on sick or convalescent animals. Do not use on rabbits.
See also IDR page 108

DRONTAL, Elanco AH
Praziquantel 20mg, pyrantel embonate 230mg.
CAT TABLETS G2218
Indications: Worm remedy against ascarids, hookworms and tapeworms in cats. –F.
24 tablets
Dosage: 1 tablet/4kg bm at intervals of 3-6 months. Can be given safely to all cats including old animals and young kittens.
DRONTAL FOR DOGS G1162, DRONTAL FOR LARGE DOGS G1508
Small dogs: Praziquantel 15mg, febantel 75mg, pyrantel embonate 43,2mg. Medium dogs: Praziquantel 50mg, febantel 150mg, pyrantel embonate 144mg. Large dogs: Praziquantel 175mg, febantel 525mg, pyrantel embonate 504mg.
Indications: Worm remedy against adult and immature stages of ascarids, hookworms and tapeworms and adult whipworms in dogs. Effective for Giardiasis in dogs. –Can.
Small 25; Medium 6 x 8; Large 24
Dosage: Small: 1 tablet/3kg bm plus ½ tablet for every additional 1,5kg bm (or portion thereof). Medium: 1 tablet/10kg bm. Large:

1 tablet/35kg bm plus ½ tablet for every 17kg bm. Puppies should be dewormed every 2 weeks from the age of 2-12 weeks and at regular intervals of 3-6 months thereafter to control worm infestations.
See also IDR page 305, 306
EXITEL CAT, Intervet SA (MSD Animal Health)
Praziquantel 20mg, pyrantel embonate 230mg.
TABLETS G4508
Indications: For the treatment of cats suffering from mixed infections by gastrointestinal roundworms, hookworms and tapeworms. –Can, F.
C/I: Do not use simultaneously with piperazine compounds. Do not use in kittens <6 weeks of age. Do not use during pregnancy; but may be used during lactation.
Dosage: 1,0-2,0kg bm: ½ tablet. 2,1-4,0kg bm: 1 tablet. 4,1-6,0kg bm: 1½ tablets. 6,1-8,0kg bm: 2 tablets. Repeat treatment at 14-day intervals until 2-3 weeks after weaning. For single oral admin. only. To ensure admin. of a correct dose, bm should be determined as accurately as possible.
See also IDR page 520

EXITEL PLUS, Intervet SA (MSD Animal Health)
Praziquantel 50mg, pyrantel 50mg, febantel 150mg/tablet.
TABLETS G4226
Indications: For the treatment of mixed infections by nematodes and cestodes (see literature) in dogs: –Can.
Dosage: 1 tablet/10kg bm. Deworm puppies every 2 weeks from the age of 2-12 weeks and at regular intervals of 3-6 months thereafter to control worm infestation. The tablets can be given directly to the dog or disguised in food. No starvation is needed before or after treatment.
C/I: Do not use simultaneously with piperazine compounds. Do not use during the first 4 weeks of pregnancy. Do not exceed the prescribed dose when pregnant bitches are treated. Concurrent use with other cholinergic compounds can lead to toxicity.
See also IDR page 520

EXITEL PLUS XL, Intervet SA (MSD Animal Health)
Praziquantel 175mg, pyrantel 175mg, febantel 525mg/tablet.
TABLETS G4227
Indications: For the treatment of mixed infections by nematodes and cestodes (see literature) in adult dogs:
Dosage: 1 tablet/35kg bm. Give tablets directly to the dog or disguise in food. No starvation is needed before or after treatment.
C/I: Do not use simultaneously with piperazine compounds.
See also IDR page 521

HEARTGARD PLUS, Boehringer
S: Ivermectin 68mcg, pyrantel pamoate 163mg. M: Ivermectin 136mcg, pyrantel pamoate 326mg. L: Ivermectin 272mcg, pyrantel pamoate 652mg.
CHEWABLES G3430
Indications: Prevention of canine heartworm disease, treatment and control of ascarids. –Can.
6, 12
Dosage: Up to 12kg bm: 1 S chewable. 13-23kg bm: 1 M chewable. 24-45kg bm: 1 L chewable.
C/I: Do not treat dogs under 6 weeks of age. Do not admin. to Collies.
See also IDR page 125

MEDIWORM FOR CATS, Medpet
Praziquantel 25mg, pyrantel pamoate 300mg, catnip/tablet.
TABLETS G3197
Indications: Worm remedy against ascarids, hookworms and tapeworms. –F.
25
Dosage: 1 tablet/5kg bm every 3-6 months. Admin. directly or crush with food. Safe for all cats including kittens, old cats, pregnant and lactating queens.

MEDIWORM FOR DOGS, Medpet
Praziquantel 75mg, pyrantel pamoate 200mg/tablet.
TABLETS G2767
Indications: Ascarids, hook-, tapeworms. –Can.
100
Dosage: 1 tablet/10kg bm. Pups: Dose at 2, 4, 8, 12 weeks old. Admin. with food if <3 months old. 3-12 months old: Deworm every 3 months. Adult dogs: Every 6 months.

MEDIWORM FOR LARGE DOGS, Medpet
Praziquantel 300mg, pyrantel pamoate 800mg, biltong flavouring/tablet.
TABLETS G3331
Indications: Worm remedy against ascarids, hookworms and tapeworms. –Can.
15
Dosage: 1 tablet/40kg bm or part thereof. Admin. directly or crush and mix with feed.

MEDIWORM PLUS FOR DOGS, Medpet
Praziquantel 75mg, pyrantel pamoate 200mg, febantel 300mg/tablet. Biltong flavouring.
TABLETS G4000
Indications: Worm remedy against adult and immature stages of ascarids, hookworms and tapeworms and adult whipworms in dogs. Effective treatment for *Giardiasis* in dogs. –Can.
100 tablets
Dosage: 1 tablet/10kg bm. See literature.
MILBEMAX® CHEWABLE TABLETS, Elanco AH
Puppies and small dogs: Milbemycin oxime 2,5mg, praziquantel 25,0mg/tablet.

Dogs: Milbemycin oxime 12,5mg, praziquantel 125,0mg/tablet.
CHEWABLE TABLETS G3834, G3833
Indications: Broad spectrum chewable deworming tablets. Treats and controls larval and adult stages of hookworms, roundworms and whipworms. Treats and controls all stages of tapeworm infections. Prevents and treats spirocerosis. –Can.
2 or 4 chewable tablets in a blister pack.
48 tablets/carton
Dosage: Admin. as a single oral dose with/after food for maximum efficacy. Milbemax® Chewable for Puppies and Small Dogs: 1-5kg: 1 tablet; 5-10kg: 2 tablets; 10-15kg: 3 tablets; 15-20kg: 4 tablets; 20-25kg: 5 tablets. Milbemax® Chewable for Dogs more than 5kg: 5-25kg: 1 tablet; 25-50kg: 2 tablets; 50-75kg: 3 tablets. Adult dogs should be treated 4 x per year.
C/I: Do not use in pregnant or nursing bitches. Do not use in puppies younger than 6 weeks of age. Do not use Milbemax® Chewable for Dogs more than 5kg in dogs with a bm of less than 5kg.
P/I: The margin of safety in Collies or related dog breeds is less than in other breeds and therefore the recommended dose should be strictly observed in these breeds. Caution should be exercised when other macrocyclic lactones are admin. concomitantly with Milbemax® Chewable.
See also IDR page 321
MILBEMAX® DOG/PUPPY, Elanco AH
Puppies and small dogs: Milbemycin 2,5mg, praziquantel 25mg; Dogs over 5kg: Milbemycin 12,5mg, praziquantel 125mg.
TABLETS G3187, G3185
Indications: Treatment and control of larval and adults stages of GI worms, i.e. hookworms, roundworms and whipworms. All stages of tapeworms. –Can.
10
Dosage: Treat adult dogs 4 x annually. Treat puppies at 2, 4, 6, 8 10 and 12 weeks of age then monthly up to 6 months. Treat nursing bitches at the same time as their puppies. Admin. with or without food. See literature for doses.
See also IDR page 320
MILBEMAX® TASTY, Elanco AH
Kittens and small cats: Milbemycin oxime 4mg, praziquantel 10mg; Cats over 2kg: Milbemycin oxime 16mg, praziquantel 40mg. Beef flavoured tablet coating.
TABLETS G3856, G3855
Indications: Treatment and control of larval and adult stages of GI worms, i.e. hookworms and roundworms. All stages of tapeworms. –F.
10
Dosage: Treat adult cats 4 x annually. Treat kittens at 6, 8 10 and 12 weeks of age then monthly up to 6 months. Treat queens at the same time as their kittens. Admin. with or without food. See literature for doses.

C/I: Do not use in cats less than 6 weeks of age and/or weighing less than 0,5kg.
See also IDR page 322
NEXGARD® SPECTRA CHEWABLE TABLETS FOR DOGS, Boehringer
Afoxolaner 1,875% m/m, milbemycin oxime 0,375% m/m.
TABLETS G4351
Indications: For prevention and control of flea, tick and mite infestations, prevention and control of adult roundworms, hookworms, whipworms, prevention of heartworm infestations and the establishment of adult *Spirocerca lupi* in the oesophagus (with reduction of egg shedding) in dogs. Starts killing fleas about 30 minutes after admin. Kills ticks within about 48 hours after infestation. This product can be used as part of a treatment strategy for Flea Allergy Dermatitis (FAD). For the treatment of demodicosis (caused by *Demodex canis*). For the treatment of mange mites: sarcoptic mange (caused by *Sarcoptes scabiei*) and otodectic mange (caused by *Otodectes cynotis*). –Can.
1, 3, 6
Dosage: Admin. orally at monthly intervals. Do not treat puppies <8 weeks of age and/or dogs <2kg bm. See literature for treatment of infestations and dosing table.

C/I: Do not use in dogs with MDR-1 gene deletion (collie type dogs) as toxicity may occur. Safety has not been established during pregnancy and lactation or in breeding dogs. Not indicated for use against tape worm.
P/I: May cause vomiting and diarrhoea in some dogs. In heartworm endemic areas, test dogs for existing heartworm infestation prior to admin. of Nexgard® Spectra.
See also IDR page 145

★ PROCOX, Elanco AH
Emodepside 0,9mg, toltrazuril 18mg/ml.
ORAL SUSPENSION G4190
Indications: Treatment for mixed parasitic infection caused by roundworms and coccidia. –Can.
20ml
Dosage: 0,5ml/kg bm. For oral use in dogs, from 2 weeks of age and weighing at least 0,4kg. Do not treat on consecutive days. Can be used every 2 weeks up to 5 times.
C/I: Do not use in pregnant and lactating dogs. See literature.
See also IDR page 335

PULVEX CAT DEWORMER TABLETS, Model Products
Praziquantel 20mg, pyrantel pamoate 230mg.
TABLETS G3901
Indications: Worm remedy against ascarids, hookworms, tapeworms. –F.
2 tablets
Dosage: ½ tablet/2kg bm.

PULVEX DOG DEWORMER TABLETS, Model Products
Praziquantel 50mg, pyrantel pamoate 144mg, febantel 150mg/tablet.
TABLETS G3902
Indications: Worm remedy against ascarids, hookworms, whipworms and tapeworms. –Can.
2 (4 x tablets)
Dosage: 1 tablet/10kg bm.

QUANTEL, Intervet SA (MSD Animal Health)
Praziquantel 50mg, fenbendazole 500mg/tablet.
TABLETS G2717
Indications: Controls roundworms, hookworm, whipworm and tapeworms. –Can, F.
100
Dosage: 1 tablet per 10kg. Treat once every 3 months. See literature.
P/I: Do not exceed stated dose when treating pregnant bitches and queens.
See also IDR page 628

★ REVOLUTION PLUS, Zoetis
Selamectin 15mg, sarolaner 2,5mg/0,25ml pipette; selamectin 30mg, sarolaner 5mg/0,5ml pipette; selamectin 60mg, sarolaner 10mg/1ml pipette.
SPOT-ON SOLUTION G4429
Indications: For cats with, or at risk from mixed parasitic infestations by ticks and fleas, lice, mites, gastrointestinal nematodes or heartworm. Exclusively indicated when used against ticks and one or more of the other target parasites is indicated at the same time. See literature. –F.
3, 6
Dosage: Indicated in cats aged at least 8 weeks old and at least 1,25kg bm. Ticks need to start feeding on the host to become exposed to sarolaner; therefore, the transmission of infectious tick-borne diseases cannot be excluded. Cats ≤2,5kg bm: 0,25ml pipette; cats >2,5-5kg bm: 0,5ml pipette; cats >5-10kg bm: 1ml pipette. See literature.
C/I: Do not use in cats that are suffering from concomitant diseases or are debilitated and underweight (for size and age). Children are not allowed to play with treated cats for 4 hours after treatment.

P/I: This product is highly flammable. Keep away from heat, sparks, open flames or other sources of ignition. Test all animals 6 months of age or more for existing adult heartworm infection before beginning preventive use with this product.
Warning: This product is not effective against adult *D. immitis*.
See also IDR page 862

TRIWORM-C, Kyron Vet Rx
Praziquantel 20mg, pyrantel pamoate 230mg.
TABLETS G3644

Indications: Worm remedy against ascaridis, hookworms and tapeworms. –F.
20
Dosage: 2kg bm: ½ tablet; 4kg bm: 1 tablet; 6kg bm: 1½ tablets.
See also IDR page 465

TRIWORM-D, Kyron Vet Rx
Praziquantel 50mg, pyrantel pamoate 144mg, febantel 150mg/tablet.
TABLETS G3645
Indications: Worm remedy. Controls ascarids, hookworms, whipworms and tapeworms. –Can
1, 2, 4, 50

Dosage: 1 tablet/10kg bm. Admin. directly, mix with a small amount of food, or crush and mix with feed. Deworm puppies from the age of 2-12 weeks at 2-week intervals and at regular intervals of 3-6 months thereafter, to control worm infestation. Can be given safely to all dogs, including young pups, old dogs, working dogs and pregnant bitches 10 days before whelping.
C/I: Do not use simultaneously with piperazine compounds.
See also IDR page 465

TRIWORM-D XL, Kyron Vet Rx
Praziquantel 175mg, pyrantel pamoate 504mg, febantel 525mg/tablet.
TABLETS G3939
Indications: Worm remedy against adult immature stages of ascarids, hookworms, whipworms and tapeworms. –Can.
Dosage: Admin. directly, or mixed with meat, or crushed and mixed with feed.
Dose according to bm, i.e. 1 tablet/35kg bm, plus ½ a tablet for every additional 17kg bm. Deworm dogs at regular intervals of 3-6 months thereafter to control worm infestation.
C/I: Do not use simultaneously with piperazine compounds.
See also IDR page 466

16.1.5. Other species

16.1.5.1. Benzimidazoles and probenzimidazoles

ECOMINTIC 50, ECO (Afrivet)
Fenbendazole 5% m/v.
ORAL DRENCH G2000
Indications: Ostriches: Roundworms. –B, Cap, O, E, Ostriches.
(200ml), 1 (5); 10L
Dosage: Ostriches: 3ml/10kg bm.
W/T: Meat 7 days.
See also IDR page 22
FLUBENOL® 5 %, Elanco AH
Flubendazole 5% m/v.
ORAL PREMIX G4161
Indications: Indicated for worm infestations in breeding and fattening pigs and poultry.

Infestations with gastrointestinal worms. –P, Poultry.
25kg
Dosage: See literature.
W/T: Pigs: Meat 5 days. Fowls: Meat 3 days. Turkeys: Meat 1 day. Game birds e.g. pheasants and partridges: Meat 4 days.
C/I: In pigeons and parrots and other birds not stated in the P/I. Chickens (layers) producing eggs for human consumption: Limit dose to 30ppm for 7 days.
See also IDR page 311

GALLIFEN 40 MG/G, Huvepharma
Fenbendazole 40mg/g.
FEED ADDITIVE G4512
Indications: Treatment of chickens infected with *Heterakis gallinarum* (L5 and adult stages) and *Ascaridia galli* (adult stage). Treatment of pheasants infected with *Heterakis gallinarum* (L5 and adult stages). –Poultry, Pheasants.
20kg
Dosage: In-feed use. 1mg/kg bm/day. Admin. in feed for 5 consecutive days. Do not mix into liquid feed. See literature.
W/T: Meat and offal 8 days.
C/I: Not for use in laying birds producing eggs for human consumption. Do not use in layers or breeders.
See also IDR page 380

OSTRIDOSE, ECO (Afrivet)
Fenbendazole 5% m/v.
ORAL DRENCH G2243
Indications: Roundworms. –E, Ostriches.
(1; 5) 10L
Dosage: Ostriches: 3ml/10kg bm.
W/T: Meat 7 days.
See also IDR page 45

★ **PANACUR® AQUASOL, Intervet SA (MSD Animal Health)**
Fenbendazole 200mg/ml. Preservative: Benzyl alcohol 20mg/ml.
ORAL SUSPENSION G4316
Indications: For the treatment and control of GI nematodes in pigs infected with *Ascaris suum* (adult, intestinal and migrating larval stages), *Oesophagostomum* spp. (adult stages), *Hyoststrongylus rubidus* (adult and larval stages), and *Trichuris suis* (adult stages) and in chickens infected with *Ascaridia galli* and *Heterakis gallinarum* (pre-adult and adult stages). Has an ovicidal effect on nematode eggs. –P, Poultry.
1L, 4L
Dosage: P: 0,0125mg/kg bm/day. *Ascaris suum*, *Oesophagostomum* spp. and *Hyoststrongylus rubidus*: admin. for 2 consecutive days. *Trichuris suis*: admin. for 3 consecutive days. Chickens: 0,005mg/kg bm/ day for 5 consecutive days. See literature.
W/T: Pigs: Meat and offal 4 days. Chickens: Meat and offal 6 days; Eggs 0 days.
See also IDR page 606

PANACUR® BS, Intervet SA (MSD Animal Health)
Fenbendazole 5% m/v.
LIQUID G1481
Indications: Ostriches, B, E: Roundworm. O, Cap: Roundworm, lungworm and milk tapeworm B: Lungworm. –Ostriches, B, E, O, Cap.
(200ml) 1 (5); 10L
Dosage: Ostriches: 1,5ml/5kg. B: 1ml/10kg bm. E: 1ml/5kg bm. O, Cap: Round- and lungworm: 1ml/10kg bm. Round-, lung- and milk tapeworm: 1ml/5kg bm.
W/T: Meat 7 days.
See also IDR page 607

16.1.5.2. Macrocyyclic lactones

ALLEGRO™, Elanco AH
Abamectin 0,2% m/v.
ORAL SUSPENSION G4479
Indications: For the control of internal parasites in sheep and goats and itch mite control on sheep. For the control of wireworm in ostriches. –O, Cap, Ostriches.
5L
Dosage: 1ml/10kg bm. See literature.
W/T: Meat 14 days.
C/I: Do not treat sheep and goats where the milk is used for human consumption, during lactation or within 28 days before the commencement of lactation. Do not use in animals younger than 6 weeks of age.
P/I: Vacc. O & Cap against *Clostridium* infections, including pulpy kidney disease. Do not contaminate dams, rivers or streams with used containers.
See also IDR page 262

ALLEGRO LA™ INJECTION, Elanco AH
Ivermectin 1% m/v.
INJECTION G4480
Indications: B, O, P: Internal and external antiparasitic remedy. Ostriches: Controls wireworm. –B, O, P, Ostriches.
500ml, 1L
Dosage: B: 1ml sc or im /50kg bm. O: 1ml sc/50kg bm. P: 1ml sc or im /33kg bm. Ostriches: 1ml sc/50kg bm. See literature.
W/T: B, O, P: Meat 42 days. Ostriches: Meat 14 days.
C/I: Do not use in lactating cattle or sheep where milk or milk products are used for human consumption. Do not use in dairy cattle within 42 days before calving where milk and milk products are intended for human consumption. Do not admin. iv in cattle, sheep and pigs. Do not admin. im in sheep.
P/I: Vacc. cattle against clostridial infections and sheep against pulpy kidney disease.
See also IDR page 265
CYDECTIN®, Zoetis
0,1% ORAL SOLUTION G2388
Moxidectin 0,1% m/v.

Indications: O: Controls roundworm, nasal bot, itch mites. Ostriches: Wireworm. –O, Ostriches.
5L, 10L
Dosage: 2ml/10kg bm.
INJECTABLE G1463
Moxidectin 1% m/v.
Indications: B: Controls wire-, brown stomach-, cattle bankrupt-, nodular-, hook- and eyeworm. Aids in control of *Parafilaria*. Kills sucking lice, mange mites and controls blue ticks. O: Controls wire-, brown stomach-, bankrupt-, long-necked bankrupt-, white bankrupt-, hook, nodular-, large-mouthed bowel-, lung-, whipworm, nasal bot. Kills scab mites, sucking lice and controls itch mites. Ostriches: Controls wireworm. –B, O, Ostriches.
500ml
Dosage: 0,1ml/5kg bm sc (cattle), im (ostriches), sc or im (sheep).
W/T: Oral solution: Meat 7 days (sheep); 15 days (ostriches). Injection: Meat 28 days.
C/I: Animals producing milk for human consumption.
P/I: O: Vacc. against enterotoxaemia before treatment.
See also IDR page 801, 804

16.1.5.3. Halogenated salicylanilides and nitrophenols

CONIFLUKE + TAPE, Kyron AH
Resorantel 25% m/v.
ORAL DRENCH G3762
Indications: Ostriches: Tapeworms. –B, O, Cap, Ostriches.
Dosage: Ostriches: 1ml/2kg bm orally.
W/T: Meat 2 days.
See also IDR page 415

16.1.5.4. Imidazoles

ERADIWORM 25, ECO (Afrivet)
Levamisole hydrochloride 2,5% m/v.
ORAL DRENCH G4249
Indications: Roundworm remedy. –B, Cap, O, Ostriches.
200ml, 1L, 5L, 10L
Dosage: B: 15ml/50kg bm. Cap, O: 3ml/10kg bm. Ostriches: 12ml/10kg bm.
W/T: Meat 7 days.
P/I: Vacc. sheep and goats against enterotoxaemia before treatment.
See also IDR page 30
ERADIWORM CONCENTRATE, ECO (Afrivet)
Levamisole hydrochloride 25% m/v.
CONCENTRATED SOLUTION G4250
Indications: Roundworm remedy. –B, Cap, O, Ostriches.
500ml

Dosage: Dilute 500ml/4,5L water, then dose. B: 15ml/50kg bm. Cap, O: 3ml/10kg bm. Ostriches: 12ml/10kg bm.
W/T: Meat 7 days.
P/I: Vacc. sheep and goats against enterotoxaemia before treatment.
See also IDR page 31

LEVAMINTIC CONCENTRATE, Kyron AH
Levamisole HCl 25% m/v.
CONCENTRATE G3569
Indications: Roundworm remedy. –B, Cap, O, Ostriches.
500ml

Dosage: Dilute 500ml:4,5L water, then dose. Ostriches: 12ml/10kg bm.
W/T: Meat 7 days.
See also IDR page 441

LEVICON, Elanco AH
Levamisole HCl 25% m/v.
LIQUID G1122
Indications: Ostriches: Wireworm. –B, Cap, O, Ostriches.
500ml

W/T: Meat 7 days.
Dosage: Dilute 500ml: 4,5L water, then dose. Ostriches: 6ml/5kg bm.
See also IDR page 316

PRODOSE® RED, Virbac
Levamisole hydrochloride 2,56% m/v.
ORAL SOLUTION G2012
Indications: Roundworms. –B, O, Cap, Ostriches.
200ml, 1L, 5L, 10L
Dosage: Drench only. B: 15ml/50kg bm. Cap, O: 3ml/10kg bm. Ostriches: 6ml/5kg bm.
C/I: Late pregnancy.
W/T: Meat 7 days.
P/I: O, Cap: Vacc. against enterotoxaemia before treatment.
See also IDR page 749

PRODOSE® RED SOLUBLE POWDER, Virbac
Levamisole hydrochloride 99% m/m.
SOLUBLE POWDER G2166
Indications: Roundworms. –B, O, Cap, Ostriches.
10 x 128g
Dosage: B, O, Cap - Dissolve 1 sachet in 5L water (6,4% solution). Use only as a drench. Use within 3 days. Ostriches - Dissolve 1 sachet in 2L water (2,56% solution). Use only as a drench. Use within 3 days.
S/E: Transient allergic reactions can be treated with antihistamine. Do not use cortisone.
C/I: Late pregnancy.
W/T: Meat 7 days.
P/I: O, Cap: Vacc. against enterotoxaemia before treatment.
See also IDR page 750

TRAMISOL® CONCENTRATE, Intervet SA (MSD Animal Health)
Levamisole HCl 25% m/v.
ORAL SOLUTION G0806
Indications: Roundworm remedy. –B, O, Cap, Ostriches.
500ml
Dosage: Dilute the contents of one 500ml pack with 4,5L of clean water. After dilution use within 30 days. Ostriches: 12ml/15kg bm.
W/T: Meat 7 days.
See also IDR page 650

16.1.5.5. Piperazines

PREDAZINE, Medpet
Piperazine adipate 100% m/m.
POWDER G235
Indications: Ascarids. –Pigeons.
100 (250)g
Dosage: 5g/L drinking water as only water for 24 hrs. Repeat on 14th and 28th day.
W/T: Meat 7 days.

16.1.5.6. Others

BRUTEL, Elanco AH
Praziquantel 3,75% m/v.
LIQUID G2396
Indications: Sheep, Cattle, Ostriches: Tapeworms. –O, Ostriches.
1 (5)L
Dosage: Ostriches: 2ml/10kg bm. B: 2ml/15kg. O: 2ml/15kg.
See also IDR page 288
DICESTAL FOR PIGEONS, Medpet
Dichlorophen 125mg.
TABLETS G4046
Indications: Treatment of tapeworm in pigeons. A depurative and purge to reduce internal fat in pigeons. –Pigeons.
100 tablets
Dosage: Tapeworm: Dose 1 tablet/pigeon on an empty crop. As a depurative and purge: Fast pigeons and remove all drinking water for 12 hours before treatment. Dose 1 tablet/pigeon. Wait 2 hours and then supply water medicated with Medilyte. Wait another 2 hours and then supply food. This treatment should be done before classic races and may be repeated every 8 weeks or when needed.

ECOTEL 2,5 %, ECO (Afrivet)
Praziquantel 2,5% m/v.
ORAL DRENCH G3162
Indications: Ostriches: Tapeworms. –B, O, Ostriches.
(200ml) 1 (5)L
Dosage: 3ml/10kg bm.
See also IDR page 24
MAXI-LINT, Kyron AH
Praziquantel 2,5% m/v.
ORAL DRENCH G3659

Indications: Tapeworm remedy.
–B, O, Ostriches.
1L, 5L
Dosage: Ostriches: Ostrich tapeworm: 3ml/10kg bm.
See also IDR page 444

PRESTIN, Ceva AH
Praziquantel 2,5% m/v.
DRENCH G3470
Indications: Treats tapeworm.
–B, O, Cap, Ostriches.
5L, 10L
Dosage: Lambs or their dams must have been vacc. against Clostridal disease prior to drenching. Ostrich tapeworm: 3ml/10kg bm.
See also IDR page 229

VIRBAMAX FIRST DRENCH™, Virbac
Abamectin 0,08%, praziquantel 1,50%.
SOLUTION G3084
Indications: Oral anthelmintic for the control of roundworms, tapeworms, and nasal worm.
–B, O, Cap, Ostriches.
250ml, 500ml, 1L, 5L, 10L
Dosage: 2,5ml/10kg bm. Safe for use in lambs and kids over 6 weeks of age.
W/T: Meat 14 days. Milk 28 days.
P/I: Immunise sheep and goats against enteroxaemia before dosing. Do not admin. to lambs and kids under 6 weeks of age.
See also IDR page 766

16.1.5.7. Combinations

AVIAN INSECT LIQUIDATOR SPRAY, Medpet
Permethrin 1,25g/L, piperonyl butoxide 6,25g/L, methoprene 20mg/L.
SPRAY ON G3999
Indications: Residual insecticide and insect growth regulator. For the control of lice in ornamental cage birds and their enviroins.
–Cage birds.
250ml

Dosage: To control avian mite (*Dermanyssus* spp, *Ornithonyssus* spp) and lice (order *Mallophaga*): Spray directly onto bird by holding spray 30-40cm from the bird. Environment: Spray aviary, perches and nest boxes thoroughly. 1 spray should give up to 6 weeks protection.

ENDO + LINT, Kyron AH
Levamisole HCl 37,5mg, praziquantel 18,8mg/ml.
ORAL DRENCH G3570
Indications: Roundworm and tapeworm remedy. –B, O, Cap, Ostriches.
200ml, 500ml, 1L, 5L, 10L
Dosage: Ostriches: 1ml/1kg bm.
W/T: Meat 7 days.
See also IDR page 424

ENDOTAPE, Elanco AH
Levamisole HCl 37,5mg, praziquantel 18,8mg/ml.
LIQUID G2364

Indications: Ostriches: Adult wire-, hook- and tapeworm. –O, Cap, Ostriches.
200ml (1;5;10)L
Dosage: Ostriches: 1ml/kg bm.
W/T: Meat 7 days.
See also IDR page 309

ERADIWORM TAPE, ECO (Afrivet)
Levamisole HCl 37,5mg, praziquantel 18,8mg/ml.
ORAL DRENCH G4244
Indications: Roundworm and tapeworm remedy. –B, O, Cap, Ostriches.
200ml, 1L, 5L
Dosage: B: 10ml/50kg bm. Cap, O: 2ml/10kg bm. Ostriches: 1ml/1kg bm.
W/T: Meat 7 days.
P/I: Vacc. sheep and goats against enterotoxaemia before treatment.
See also IDR page 32

MEDIWORM FOR PIGEONS, Medpet
Pyrantel pamoate 20mg, praziquantel 5mg.
TABLETS G2559
Indications: Large roundworm, hairworm, tapeworm. –Pigeons.
100
Dosage: 1 tablet/pigeon on an empty crop. Severe infestation: Repeat after 14 days.

MEDIWORM POWDER, Medpet
Per 5g: Pyrantel pamoate 50mg, praziquantel 10mg.
POWDER G4088
Indications: For the treatment of large roundworm, hairworm and tapeworm infestation in cage birds. For use in cage birds only. –Cage birds.
100g, 250g
Dosage: Mix 5g powder with 20ml of water and mix this evenly with 100g of soft food or seed. Sufficient medicated food should be available all day.

16.2. Endectocides

DORAJECT + AD₂E LA, Kyron AH
Doramectin 1,0% m/v, vitamins A 3,3% m/v, D3 0,01% m/v, E 5,0% m/v.
INJECTION G3912
Indications: B: Treatment and control of GI roundworms, *Parafilaria*, screw-worms and single host ticks. O: Treatment and control of sheep roundworms, sheep scab, nasal bot, blowfly strike and itch mites. –B, O.
50ml, 500ml
Dosage: 1ml/50kg bm sc. Inject under the soft skin in the neck, shoulder or into the loin region.
W/T: B: Meat 35 days. O: Meat 56 days.
C/I: Do not use in animals producing milk for human consumption.
See also IDR page 419

DORA-VIT +AD₃E LA, Antrovat AH
Doramectin 1,0% m/v, vitamins A 3,3% m/v, D3 0,01% m/v, E 5,0% m/v.
INJECTION G4362

Indications: B: Treatment and control of gastrointestinal roundworms, *Parafilaria*, screw-worms and single host ticks.
O: Treatment and control of sheep roundworms, sheep scab, nasalworm, blowfly strike and itch mites. –B, O.
50ml, 500ml
Dosage: B & O: 1ml sc/50kg bm.
W/T: B: Meat 35 days. O: Meat 56 days.
C/I: Do not use in animals producing milk for human consumption.
See also IDR page 85

MOXI-JECT 1 % INJECTABLE SOLUTION, Kyron AH
Moxidectin 1% m/v.
INJECTABLE SOLUTION G4107
Indications: For the treatment and control of wire-, brown stomach-, bankrupt-, long-necked bankrupt-, white bankrupt-, hook-, nodular-, large-mouthed bowel-, lung-, whipworm and nasal bot. Controls sheep scab and mites. –O.
500ml
Dosage: 1ml/50kg bm sc.
W/T: Meat 28 days. Animals treated for sheep scab 49 days. Milk – not for human consumption.
P/I: Do not inject iv.
C/I: Do not inject in young, undernourished or emaciated animals.
See also IDR page 450

MOXI-PRO 1 %, Antrovat AH
Moxidectin 1% m/v.
INJECTABLE SOLUTION G4393
Indications: For the treatment and control of roundworms and nasal bot. Kills sheep scab mites and controls itch mites. –O.
500ml
Dosage: 1ml sc/50kg bm. Inject under the loose skin behind the shoulder, under the foreleg or on the inside of the thigh. Sheep scab is a notifiable disease. Admin. 2 x at 1ml sc/50kg bm with an interval of 7 days between treatments.
W/T: Meat 28 days.
C/I: Do not slaughter animals treated for sheep scab and intended for human consumption within 49 days of second treatment. Do not use in animals producing milk for human consumption.
P/I: Vacc. sheep against pulpy kidney disease and black quarter at least 3 weeks before treatment. Do not treat young, undernourished, or emaciated animals. Do not inject iv.
See also IDR page 93

16.2.1. Ruminants

ALLEGRO™, Elanco AH
Abamectin 0,2% m/v.
ORAL SUSPENSION G4479
Indications: For the control of internal parasites in sheep and goats and itch mite

control on sheep. For the control of wireworm in ostriches. –O, Cap, Ostriches.
5L
Dosage: 1ml/10kg bm. See literature.
W/T: Meat 14 days.
C/I: Do not treat sheep and goats where the milk is used for human consumption, during lactation or within 28 days before the commencement of lactation. Do not use in animals younger than 6 weeks of age.
P/I: Vacc. O & Cap against *Clostridium* infections, including pulpy kidney disease. Do not contaminate dams, rivers or streams with used containers.
See also IDR page 262

ALLEGRO LA™ INJECTION, Elanco AH
Ivermectin 1% m/v.
INJECTION G4480
Indications: B, O, P: Internal and external antiparasitic remedy. Ostriches: Controls wireworm. –B, O, P, Ostriches.
500ml, 1L
Dosage: B: 1ml sc or im /50kg bm. O: 1ml sc/50kg bm. P: 1ml sc or im /33kg bm. Ostriches: 1ml sc/50kg bm. See literature.
W/T: B, O, P: Meat 42 days. Ostriches: Meat 14 days.
C/I: Do not use in lactating cattle or sheep where milk or milk products are used for human consumption. Do not use in dairy cattle within 42 days before calving where milk and milk products are intended for human consumption. Do not admin. iv in cattle, sheep and pigs. Do not admin. im in sheep.
P/I: Vacc. cattle against clostridial infections and sheep against pulpy kidney disease.
See also IDR page 265

ANIMECTIN, AniPharm
Ivermectin 0,08%.
LIQUID G2966
Indications: Antiparasitic remedy for sheep and goats. –Cap, O.
(1) 5L
Dosage: 2,5ml/10kg bm. Vacc. regularly.
C/I: Sheep and goats must not be slaughtered for human consumption within 3 days of treatment. Milk for human consumption not to be used within 28 days of treatment.
W/T: Meat 3 days. Milk 28 days.

ATTILA, Kyron AH
Fipronil 0,9% m/v, Abamectin 0,5% m/v.
POUR-ON G4197
Indications: A ready-to-use pour-on for the control of internal and external parasites for cattle. –B.
500ml, 1L, 5L
Dosage: 1ml per 10kg. Apply in two lines, on both sides of the spinal column, from the poll of the head to the tail root.
W/T: Meat 105 days.
C/I: Do not apply to lactating animals.
See also IDR page 407

AVOTAN POUR-ON, Intervet SA (MSD Animal Health)
Abamectin 5mg/ml.
POUR-ON G3745
Indications: Control of roundworms and blue ticks. –B.
1L, 5L, 20L
Dosage: 1ml/10kg bm. Apply along the topline extending from the withers to the tail head.
W/T: Meat 35 days.
C/I: Do not use in animals <4 months old.
P/I: Do not apply on dogs or other animal species.
See also IDR page 472

BAYMEC™, Elanco AH
Ivermectin 10,0mg/ ml (1% m/v).
INJECTION G3320
Indications: A broad-spectrum parasiticide for the control of endo- and ectoparasites. Cattle: GI roundworms, false bruising (*Parafilaria bovicola*), eye worm (*Thelazia*) and lungworms. Sheep: GI roundworms (including *Haemonchus*), sheep scab (*Psoroptes ovis*) and nasal bot (*Oestrus ovis*). –B, O.
500ml
Dosage: 200g sc/kg bm. Two treatments 14 days apart may be required for resolution of sheep scab infections.
W/T: Meat 28 days.
C/I: Not for use in lactating animals or dairy cattle within 28 days before calving where milk or milk products are intended for human consumption.
See also IDR page 281

BIMECTIN 1% INJECTABLE SOLUTION, Afrivet
Ivermectin 10mg/ml.
INJECTABLE SOLUTION G2878
Indications: B, O: Internal and external antiparasitic remedy. P: Kills mange mites. –B, O, P.
50ml, 100ml, 250ml, 500ml
Dosage: B: 1ml/50kg bm sc. O: 0,5ml/kg bm sc. P: 1,5ml/33kg bm deep iv or sc in the neck.
W/T: B, O: Meat 21 days. P: Meat 28 days.
C/I: Do not use in lactating cattle where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days of calving.
P/I: Treat sows at least 1 week before farrowing. Vacc. cattle against clostridial infections and sheep against pulpy kidney before treatment.
See also IDR page 5

CEVAMEC 1% INJECTABLE SOLUTION, Ceva AH
Ivermectin 10mg/ml.
INJECTABLE SOLUTION G4198
Indications: Antiparasitic remedy. –B, O.
1 000 doses, 2 000 doses
Dosage: B: 1ml/O-50kg bm sc under the loose skin in front of or behind the shoulder. O: 0,5ml/O-25 kg bm sc. See literature.

W/T: Meat 21 days.
C/I: Do not use in lactating cattle where milk or milk products are to be used for human consumption. Do not use in dairy cattle within 28 days of calving.
See also IDR page 200

CYDECTIN®, Zoetis
0,1% ORAL SOLUTION G2388
Moxidectin 0,1% m/v.
Indications: O: Controls roundworm, nasal bot, itch mites. Ostriches: Wireworm. –O, Ostriches.
5L, 10L
Dosage: 2ml/10kg bm.
INJECTABLE G1463
Moxidectin 1% m/v.
Indications: B: Controls wire-, brown stomach-, cattle bankrupt-, nodular-, hook- and eyeworm. Aids in control of *Parafilaria*. Kills sucking lice, mange mites and controls blue ticks. O: Controls wire-, brown stomach-, bankrupt-, long-necked bankrupt-, white bankrupt-, hook, nodular-, large-mouthed bowel-, lung-, whipworm, nasal bot. Kills scab mites, sucking lice and controls itch mites. Ostriches: Controls wireworm. –B, O, Ostriches.
50ml and 500ml
Dosage: 0,1ml/5kg bm sc (cattle), im (ostriches), sc or im (sheep).
W/T: Oral solution: Meat 7 days (sheep); 15 days (ostriches). Injection: Meat 28 days.
C/I: Animals producing milk for human consumption.
P/I: O: Vacc. against enterotoxaemia before treatment.
See also IDR page 801, 804

CYDECTIN® EWEGUARD WITH SELENIUM AND VIT B12, Zoetis
Moxidectin 5mg/ml, antigens of *Cl. perfringens* type D, *Cl. chavoiei*, *Cl. septicum*, *Cl. novyi* type B, *Cl. tetani*, *Corybacterium pseudotuberculosis-ovis*, selenium 1mg/ml, vitamin B12 1mg/ml.
ANTHELMINTIC/VACCINE G3541
Indications: Vacc. of healthy adult sheep against pulpy kidney, black quarter (quarter evil), malignant oedema, gangrene, tetanus, caseous lymphadenitis and the treatment and control of internal and external parasites as well as for selenium and vitamin B12 supplementation. –O.
500ml
Dosage: 2ml/50kg bm sc. Admin. 2 doses 4-6 weeks apart followed by an annual booster. Admin. in the anterior half of the neck only. See literature.
W/T: Meat 28 days.
C/I: Animals <30kg bm, animals vacc. with footrot vacc.
P/I: Do not inject iv or im. Not for animals producing milk for human consumption.
See also IDR page 803

DECTOMAX, Zoetis
Doramectin 1% m/v.

LA INJECTION G1726
Indications: B: Roundworms, *Parafilaria*, screw-worms, sucking lice, mange mites and single host ticks. O, Cap: Roundworms. –B, O, P, Cap.

20ml, 50ml, 200ml, 500ml

Dosage: B: 1ml/50kg im/sc. O, Cap: 1ml/50kg im/sc or 1,5ml/50kg im/sc for sheep only.

W/T: Meat 35 days.

C/I: Animals producing milk for human consumption.

P/I: Vacc. sheep against enterotoxaemia before treatment.

See also IDR page 810

ECOMETIN 1% INJECTION, ECO (Afrivet)
Ivermectin 1%.

INJECTION G2275
Indications: B: Roundworms, eye worm, *Parafilaria* bovicula, blue ticks, biting and sucking lice, mange mites, cattle screw-worm. O: Roundworms, nasal bot, Australian itch mite, sheep scab. P: Mange mites. –B, O, P.

20ml, 50ml, 500ml

Dosage: B, O: 1ml/50kg bm sc. P: 1ml/30kg bm sc.

W/T: B, O: Meat 21 days. P: Meat 28 days. Milk not for human consumption.

P/I: Vacc. sheep against enterotoxaemia before treatment. Vacc. cattle against clostridial infections.

C/I: Not for use in dairy cattle.

See also IDR page 19

ECOMETIN SHEEP DRENCH, ECO (Afrivet)
Ivermectin 0,08% m/v.

DRENCH G2630
Indications: Roundworms. –Cap, O.

1L, 5L

Dosage: 2,5ml/10kg bm.

W/T: Meat 14 days.

P/I: Vacc. sheep against enterotoxaemia before treatment. Vacc. cattle against clostridial infections.

C/I: Do not use on dairy cows.

See also IDR page 22

ELIMINATE, Virbac
Abamectin 0,5% m/v.

POUR-ON G3348
Indications: Transdermal internal and external antiparasitic pour-on. –B and antelope.

1L, 5L 20L

Dosage: 1ml/10kg bm. Heavier animals: add 5ml for each 50kg over 650kg.

W/T: Meat 21 days. Milk 21 days.

C/I: Do not treat calves under 50kg.

See also IDR page 709

EPRECI[®] 2 %, Ceva AH
Eprinomectin 2,0g/100ml.

INJECTION G4260
Indications: An antiparasitic remedy indicated for the treatment and control of internal and external parasites of beef and dairy cattle, including lactating dairy cows. –B.

50ml, 100ml, 250ml and 500ml

Dosage: 1ml/100kg bm sc only. Inject under loose skin in front of or behind the shoulder as a single injection.

W/T: Meat and offal 12 days. Milk 0 days.

C/I: Do not admin. iv or im.

P/I: May be toxic to aquatic organisms. Do not contaminate streams, rivers or waterways with product or used containers.

See also IDR page 212

IVER-JECT+AD₃E, Antrov^{et} AH
Ivermectin 1% m/v, vit A palmitate 5 000 000iu, vit E acetate 1 000iu, vit D3 40 000iu/100ml.

INJECTABLE SOLUTION G3930
Indications: Internal and external antiparasitic remedy with vitamins to prevent and treat vitamin deficiencies. –B, O.

20ml, 50ml, 500ml

Dosage: B: 1ml sc/50kg bm. O: 1ml sc/26-50kg bm. Inject sheep every 3 months. During winter it may be necessary to treat more often. See literature.

W/T: Meat 42 days.

C/I: Do not use in lactating cattle where milk or milk products are used for human consumption.

P/I: Do not use im or iv.

See also IDR page 86

IVER-JECT METABOLIC, Antrov^{et} AH
Ivermectin 1% m/v. Per ml: vit B12 0,1 mg, zinc 0,17mg, magnesium 1,7mg, copper 0,02mg, phosphite 8mg, potassium 0,07mg, iodine 0,23 mg. Amino acids: histidine HCl 4,2mg, valine 4,2mg, arginine HCl 5,1mg, methionine 4,2mg, threonine 5mg, sodium monobasic glutamate 8,4mg.

INJECTABLE SOLUTION G4360
Indications: Antiparasitic remedy with supplements. –B.

50ml, 500ml, 1L

Dosage: 1ml sc/50kg bm. See literature.

W/T: Meat 21 days.

See also IDR page 88

IVER-JECT PREMIUM, Antrov^{et} AH
Ivermectin 3,15% m/v.

INJECTABLE SOLUTION G4345
Indications: Antiparasitic remedy. –B.

500ml

Dosage: 1ml/50kg bm. See literature.

W/T: Meat 120 days.

C/I: Do not use in lactating cattle where milk or milk products are used for human consumption. Do not use in dairy cattle within 120 days before calving.

P/I: Do not use im or iv.

See also IDR page 89

IVER-JECT SUPER FLUKE, Antrov^{et} AH
Ivermectin 1% m/v, clorsulon 10% m/v.

INJECTABLE SOLUTION G4358
Indications: For the treatment and control of internal and external parasites. –B.

500ml

Dosage: 1ml sc/50kg bm. Inject in front or behind the shoulder blade. For the control of blue ticks repeat every 21 days.

Efficacy: See literature.

W/T: Meat 32 days.

C/I: Do not use in lactating animals where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days before calving.

See also IDR page 90

IVERMAX 1 % INJECTABLE SOLUTION, Kyron AH
Ivermectin 1% m/v.

INJECTABLE SOLUTION G3582
Indications: Antiparasitic remedy. Kills mange mites in pigs. –B, O, P.

50ml, 500ml, 1L

Dosage: B, O: 1ml/50kg bm sc. P: 1ml/33kg bm sc.

W/T: Meat 21 days. Pigs 28 days.

C/I: Do not use in cows where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days of calving.

See also IDR page 431

IVERMAX + AD₃E, Kyron AH
Ivermectin 1% m/v, vitamins A palmitate 50 000iu, D3 400iu, E acetate 10iu.

INJECTABLE SOLUTION G3723
Indications: Antiparasitic remedy with vitamins to prevent and treat vitamin deficiencies. –B, O.

50ml, 500ml, 1L

Dosage: Sc every 3 months. B: 1ml/50kg bm; O: 0,5ml/25kg bm.

W/T: Meat 42 days.

C/I: Do not use in lactating cattle where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days of calving. Do not use im or iv.

See also IDR page 433

IVERMAX + FLUKE, Kyron AH
Ivermectin 1% m/v, clorsulon 10% m/v.

INJECTABLE SOLUTION G4224
Indications: Cattle: For the treatment and control of internal parasites (roundworms and adult liver fluke with residual activity against the re-infestation of roundworms) and external parasites (*Parafilaria*/false bruising, lice, mange mites, sandtampans, blue ticks, screw-worm and eye worm). –B.

500ml

Dosage: 1ml/50kg bm.

C/I: Do not use in lactating animals where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days before calving.

W/T: Meat32 days

P/I: Do not admin. im or iv.

See also IDR page 435

IVERMAX METABOLIC, Kyron AH
Ivermectin 1% m/v, vitamin B12 0,1mg, zinc salt 0,43mg equivalent to 0,17mg zinc, magnesium salt 6,5mg equivalent to 1,7mg magnesium, copper salt 0,04mg equivalent to 0,02mg copper, magnesium hypophosphite 26,7mg equivalent to 8mg phosphate, potassium iodide 0,3mg equivalent to 0,07mg potassium and 0,23mg Iodine, histidine HCl 4,2mg, valine 4,2mg, arginine HCl 5,1mg, methionine 4,2mg, threonine 5mg, sodium monobasic glutamate 8,4mg, excipients to 1ml/ml.

INJECTABLE SOLUTION G3910
Indications: Antiparasitic remedy with supplements. –B.

500ml

Dosage: 1ml/50kg bm sc under the loose skin in front of or behind the shoulder.

W/T: Meat 21 days.

C/I: Do not use in dairy cattle within 28 days of calving. Do not use in cattle where milk or milk products are used for human consumption.

See also IDR page 437

IVERMAX + MINERALS, Kyron AH
Ivermectin 1% m/v, copper 2,86mg/ml, zinc 0,04mg/ml, cobalt 0,12mg/ml, manganese 1,98mg/ml, molibdenum 0,5mg/ml.

INJECTABLE SOLUTION G3724
Indications: Antiparasitic remedy with minerals to prevent and treat deficiencies. –B, O.

50ml, 500ml

Dosage: Sc every 3 months. B: 1ml/50kg bm; O: 0,5ml/25kg bm.

W/T: B, O: Meat 21 days. Milk C/I.

C/I: Do not use in lactating cattle where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days of calving. Do not use im or iv.

See also IDR page 436

IVERMAX PLATINUM LA, Kyron AH
Ivermectin 3,15% m/v.

INJECTABLE SOLUTION G3832
Indications: Antiparasitic remedy. –B.

Dosage: 1ml/50kg bm sc only. Can be used in breeding animals. See literature for efficacy when treating external parasites.

W/T: Meat 120 days.

C/I: Do not use in lactating cows where the milk or milk products are for human consumption. Do not use in dairy cows within 120 days of calving. Do not admin. im or iv.

See also IDR page 439

IVERMAX SHEEP DRENCH, Kyron AH
Ivermectin 0,08% m/v.

ORAL DRENCH G3579

Indications: Controls roundworms and nasal bot in sheep and goats and itch mite in sheep. –O, Cap.

1L, 5L

Dosage: 2,5ml/10kg bm.

W/T: Meat 14 days. Milk 28 days.

P/I: Vacc. sheep against pulpy kidney disease before admin.

See also IDR page 440

IVOMEC EPRINEX, Boehringer
Eprinomectin 0,5% m/v.

POUR-ON G2628
Indications: Controls brown stomach-, wire-, cattle bankrupt-, nodular-, hook- and lungworms. Controls sucking and biting lice, sarcoptic and chorioptic mites, horn flies. Aids in the control of cattle blue ticks. –B.

1L, 2,5L

Dosage: 1ml/10kg bm.

W/T: No withdrawal times for meat or milk.

See also IDR page 127

IVOMEC GOLD, Boehringer
Ivermectin 3,15% m/v.

INJECTION G3080
Indications: B: Controls adult and immature wire-, brown stomach-, cattle bankrupt-, hook-, nodular- and lungworm. Controls adult eyeworm. Aids in the control of *Parafilaria*. –B.

500ml, 1L

Dosage: 1ml/50kg bm sc.

W/T: Meat 105 days. Milk 105 days.

C/I: Lactating dairy cows producing milk for human consumption.

P/I: Do not admin. im or iv.

See also IDR page 129

IVOMEC INJECTION, Boehringer
Ivermectin 1% m/v.

INJECTION G2329
Indications: B: Controls wire-, brown stomach-, cattle bankrupt-, hook-, nodular-, lung-, eyeworm. Aids control of *Parafilaria*. O: Controls wire-, brown stomach-, bankrupt-, hook-, nodular-, large-mouthed bowel, lung-, long-necked bankrupt worm, nasal bot. Ostriches: Controls wire worm. –B, O, P, Ostriches.

50, 200ml, 500ml

Dosage: B: 1ml/50kg bm sc. O: 0,5ml/25kg bm sc.

W/T: Meat 21 days. Milk 28 days.

C/I: Lactating cattle/sheep producing milk for human consumption.

P/I: Do not admin. iv or im. Vacc. cattle against *Clostridium* infections and sheep against enterotoxaemia before treatment.

See also IDR page 130

IVOMEC SUPER INJECTION, Boehringer
Ivermectin 1% m/v, clorsulon 10% m/v.

INJECTION G2629
Indications: B: Controls wire-, brown stomach-, cattle bankrupt-, hook-, nodular-,

lung- and adult eyeworm, adult liver- and adult giant liverfluke. Aids in the control of *Parafilaria*. O: Controls wire-, brown stomach-, bankrupt-, hook-, nodular-, large-mouthed bowel-, lung-, immature long-necked bankrupt- and nasal bot. –B, O.

50, 200ml, 500ml

Dosage: B: 1ml/50kg bm sc; O: 0,5ml/25kg bm sc.

W/T: Meat 28 days. Milk 28 days.

P/I: Do not admin. iv or im. Vacc. cattle against black quarter, malignant oedema and sheep against enterotoxaemia before treatment.

See also IDR page 131

IVOTAN, Interv^{et} SA (MSD Animal Health)
Ivermectin 1% m/v.

INJECTION G2858
Indications: B: Controls wire-, brown stomach, cattle bankrupt-, hook-, nodular- lung- and eyeworm. Aids control of *Parafilaria*. O: Controls wire-, brown stomach-, bankrupt-, hook-, nodular, large-mouthed bowel-, lung-, long-necked bankruptworm, nasal bot. –B, O, P.

20 (50; 500)ml

Dosage: B: 1ml/50kg bm sc. O: 0,5ml/25kg bm sc.

C/I: Lactating cattle/sheep producing milk or milk products for human consumption.

W/T: B, O: Meat 21 days. Milk 28 days before calving. Do not use in lactating cattle or sheep where milk or milk products are intended for human consumption.

P/I: Do not admin. iv or im. Vacc. cattle against *Clostridium* infections and sheep against enterotoxaemia before treatment.

See also IDR page 542

LONGRANGE, Antrov^{et} AH
Fluazuron 12,5g, ivermectin 3,15g/100ml.

INJECTABLE SOLUTION G4328
Indications: For the treatment and control of internal and external parasites. –B. Controls bankruptworm (*Cooperia* spp.) for 35 days; Controls wireworm (*H. placei*) and brown stomachworm (*O. ostertagi*) for 42 days; Controls hookworm (*B. phlebotomus*) and nodularworm (*O. radiatum*) for 49 days. Prevents re-infestation of blue ticks for up to 112 days.

500ml

Dosage: 1ml sc/50kg bm. Inject behind the shoulder blade.

W/T: Meat 80 days.

C/I: Do not use in cows producing milk for human consumption.

See also IDR page 91

MAXIMUS, Antrov^{et} AH
Fipronil 0,9% m/v, abamectin 0,5% m/v.

POUR-ON G4395
Indications: A ready-to-use pour-on antiparasitic. –B.

500ml, 1L, 5L, 20L

Dosage: 1ml/10kg bm. Ready-to-use pour-on. Apply in two lines, on both sides of the spinal column, from the poll of the head to the tail root. Efficacy: See literature.

W/T: Meat 105 days.

C/I: Do not apply to lactating animals where the milk is intended for human consumption.

P/I: Do not apply to wet animals or if rain is expected shortly after application.

See also IDR page 92

MODERATOR™, Elanco AH
Abamectin 0,5% m/v.

POUR ON G4477

Indications: Transdermal antiparasitic pour-on remedy controls endo- and ectoparasites and aids in the control of multi-host ticks. –B, Antelope.

5L

Dosage: 1ml/10kg bm. Apply in a narrow band along the midline of the back from the withers to the base of the tail. Do not treat calves under 50kg.

W/T: Meat 21 days. Milk 21 days before calving.

P/I: May adversely affect fish and certain water-borne organisms.

See also IDR page 324

PRIVEXIA, Ceva AH
Moxidectin 1g/100ml.

INJECTION G3915

Indications: Treatment and control of internal and external parasites of cattle and sheep with residual activity against certain important roundworms of cattle and sheep as well as blue ticks in cattle. Nasal bot larvae (*Oestrus ovis*): Controls nasal bot larvae, 1st, 2nd and 3rd instar larvae. –B, O.

50ml, 250ml, 500ml

Dosage: 1ml/50kg bm as a single sc injection.

W/T: Meat and offal 42 days.

C/I: Do not use in animals producing milk for human consumption.

P/I: May be toxic to aquatic organisms. Do not contaminate rivers, streams or waterways with product or used containers.

See also IDR page 231

SOLUTION 3,5 % LA, Intervet SA (MSD Animal Health)
Ivermectin 2,25% m/v, abamectin 1,25% m/v.

SOLUTION G3689

Indications: Roundworm remedy. Controls ticks. –B.

50ml, 200ml, 500ml, 1L

Dosage: 1ml/50kg bm sc.

W/T: Meat 120 days.

C/I: Do not use in dairy cattle. Do not admin. to calves <16 weeks of age.

P/I: Vacc. cattle against *Clostridium* infections prior to treatment.

See also IDR page 642

STARTECT, Zoetis
Derquantel 10mg, abamectin 1mg/ml.

DRENCH G3889

Indications: A broad spectrum oral combination drench effective against adult and immature stages of sensitive strains of internal parasites. Controls nasal bot larvae and itch mites. –O.

5L

Dosage: 1ml/5kg bm orally.

W/T: Meat 14 days.

C/I: Do not use in sheep where the milk is intended for human consumption.

P/I: Extremely toxic to horses. Do not use in other species. Vacc. sheep against enteroxaemia before treatment.

See also IDR page 873

VIRBAMAX LV®, Virbac
Abamectin 0,2% m/v.

SOLUTION G2782

Indications: Controls internal parasites, nasal bot –O, Cap and itch mite. –O.

Control of wireworm in Ostriches.

1L, 5L

Dosage: 1ml/10kg bm.

C/I: Not for sheep or goats producing milk for human consumption.

W/T: Meat 14 days. Milk 28 days before start of lactation.

See also IDR page 767

VIRBAMEC® L, Virbac
Ivermectin 1% m/v, clorsuron 10% m/v.

SOLUTION G3269

Indications: Roundworms, Liver fluke. –B, O.

500ml, 1L

Dosage: B: 1ml/50kg bm, im or sc. O: 1ml/50kg bm, sc.

C/I: Do not use in lactating animals or where milk or milk products are intended for human consumption.

W/T: Meat 28 days. Milk 28 days.

See also IDR page 769

VIRBAMEC® LA, Virbac
Ivermectin 1% m/v.

INJECTION G2885

Indications: B: Controls roundworms, kills sucking lice, biting lice, warble flies, mange mites, sandtampans, cattle screw-worms, blue ticks. –B, O, P.

(10,50,500)ml, 1L

Dosage: B: 1ml/50kg bm sc or im. O: 1ml/50kg bm sc. P: 1ml/33kg bm sc or im. Ostriches: 1ml/50kg bm sc only.

C/I: Do not admin. iv in cattle or sheep or im in sheep.

W/T: Meat 42 days. Milk 42 days.

P/I: Not for use in lactating cattle or sheep where milk/milk products are used for human consumption. Vacc. cattle against clostridial infections and sheep against enterotoxaemia before treatment.

See also IDR page 771

VERMECTIN® L.A. PREMIUM, Bupo
Ivermectin 3,15% m/v.

LONG-ACTING INJECTABLE SOLUTION G4112

Indications: Treatment and control of internal and external parasites. Efficacy: see literature. –B.

10ml, 50ml, 200ml, 500ml

Dosage: 1ml/50kg bm sc in the loose skin of the neck or behind the shoulder blade.

W/T: Meat 105 days.

C/I: Do not use in cows producing milk for human consumption. Do not admin. iv or im.

P/I: In high-risk areas, vacc. against *Clostridium* infections.

See also IDR page 175

16.2.2. Pigs

ALLEGRO LA™ INJECTION, Elanco AH
Ivermectin 1% m/v.

INJECTION G4480

Indications: B, O, P: Internal and external antiparasitic remedy. Ostriches: Controls wireworm. –B, O, P, Ostriches.

500ml, 1L

Dosage: B: 1ml sc or im /50kg bm. O: 1ml sc/50kg bm. P: 1ml sc or im /33kg bm. Ostriches: 1ml sc/50kg bm. See literature.

W/T: B, O, P: Meat 42 days. Ostriches: Meat 14 days.

C/I: Do not use in lactating cattle or sheep where milk or milk products are used for human consumption. Do not use in dairy cattle within 42 days before calving where milk and milk products are intended for human consumption. Do not admin. iv in cattle, sheep and pigs. Do not admin. im in sheep.

P/I: Vacc. cattle against clostridial infections and sheep against pulpy kidney disease.

See also IDR page 265

DECTOMAX, Zoetis
Doramectin 1% m/v.

LA INJECTION G1726

Indications: P: Roundworms (*Ascaris suum*, *Oesophagostomum dentatum*, *Oesophagostomum quadrispinulatum* and *Trichuris suis*) and lungworms (*Metastrongylus* spp.). It also kills sarcoptic mange mites and lice. –B, O, P, Cap.

20ml, 50ml, 200ml, 500ml

Dosage: P: 1ml/33kg bm im.

W/T: Meat 28 days.

See also IDR page 810

ECOMECTIN 1 % INJECTION, ECO (Afrivet)
Ivermectin 1% m/v.

INJECTION G2275

Indications: B: Roundworms, screw-worm, *Parafilaria*. O: Roundworms, nasal bot. –B, O, P.

20ml, 50ml, 200ml, 500ml

Dosage: B, O: 1ml/50kg bm/sc.

W/T: B, O: Meat 21 days. P: Meat 28 days.

P/I: Vacc. sheep against enterotoxaemia before treatment. Vacc. cattle against clostridial infections.

C/I: Do not use on dairy cows.

See also IDR page 19

ECOMECTIN PIG PREMIX, ECO (Afrivet)
Ivermectin 0,6% m/v.

PREMIX G3860

Indications: Treatment and control of gastrointestinal roundworms and lungworms, lice and mange in adult and growing pigs. –P.

333g, 5kg

Dosage: Growing pigs: Mix with finished feed and feed continuously as only ration for 7 days. Up to 40kg bm: 333g/ton feed. 40-100kg: 400g/ton feed. Adult pigs: 1,67kg/ton feed. Feed at a rate of 1kg/100kg bm for 7 days as part of ration. Avoid contact between treated and untreated pigs for at least 1 week after completion of treatment programme.

W/T: If more than 100kg: Meat 12 days. If less than 100kg: Meat 3 days.

C/I: Do not use for any other species as severe adverse reactions, including fatalities in dogs may occur.

P/I: Extremely dangerous to fish and aquatic life.

See also IDR page 21

IVERMAX 1 % INJECTABLE SOLUTION, Kyron AH
Ivermectin 1% m/v.

INJECTABLE SOLUTION G3582

Indications: Kills mange mites. –P.

50ml, 500ml, 1L

Dosage: 1ml/33kg mb sc.

W/T: Meat 28 days.

C/I: Do not use in cows where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days of calving.

See also IDR page 431

IVOMEK INJECTION, Boehringer
Ivermectin 1% m/v.

INJECTION G2329

Indications: Kills mange mites in pigs. –B, O, P.

50ml, 200ml, 500ml

Dosage: Pigs: 1ml/33kg bm sc.

W/T: Meat 28 days.

P/I: Do not admin. iv or im.

See also IDR page 130

IVOTAN, Intervet SA (MSD Animal Health)
Ivermectin 1% m/v.

INJECTION G2858

Indications: Kills mange mites in pigs. –B, O, P.

(20;50)500ml

Dosage: P: 1,5ml/50kg bm sc.

W/T: P: Meat 28 days.

P/I: Do not admin. iv or im.

See also IDR page 542

VIRBAMAX PREMIX, Virbac
Abamectin 0,6%.

POWDER G3122

Indications: Prevention and treatment of internal and external parasites. –P.

5kg

Dosage: Growing animals: <40kg: 0,3kg/ton feed for 7 days. >40kg: 0,4kg/ton feed for 7 days. Breeding sows and boars: 1,67kg/ton feed for consumption at a rate of 1kg/100kg bm, daily for 7 days.

W/T: Meat 14 days.

See also IDR page 769

VIRBAMEC® LA, Virbac
Ivermectin 1% m/v.

INJECTION G2885

Indications: B: Controls roundworms, kills sucking lice, biting lice, warble flies, mange mites, sandtampans, cattle screw-worms, blue ticks. –B, O, P.

(10,50,500)ml, 1L

Dosage: B: 1ml/50kg bm sc or im. O: 1ml/50kg bm sc. P: 1ml/33kg bm sc or im. Ostriches: 1ml/50kg bm sc only.

C/I: Do not admin. iv in cattle or sheep or im in sheep.

W/T: Meat 42 days. Milk 42 days.

P/I: Do not use in lactating cattle or sheep where milk/milk products are used for human consumption. Vacc. cattle against clostridial infections and sheep against enterotoxaemia before treatment.

See also IDR page 771

16.2.3 Cats and dogs

BRAVECTO® PLUS, Intervet SA (MSD Animal Health)
Fluralaner 280mg, moxidectin 14mg/ml.

SPOT-ON SOLUTION G4408

Indications: For cats suffering from, or at risk of, mixed ecto- and endoparasitic infestations. Treatment of tick and flea infestations. Provides immediate and persistent flea and tick killing activity for 3 months. Treatment of ear mites. Prevention of heartworm disease for 3 months. Treatment of infestations of intestinal roundworm (immature adults and adults) and hookworm (immature adults and adults). Fleas and ticks must attach to the host and commence feeding in order to be exposed to the active substance. Can be used as part of a treatment strategy for flea allergy dermatitis (FAD). –F.

1 or 2 pipettes

Dosage: Use contents of 1 whole pipette. Cats 1,2-2,8kg bm: Apply solution for small cats. >2,8-6,25kg bm: Apply solution for medium cats. >6,25-12,5kg bm: Apply solution for large cats. See literature.

C/I: Do not use directly on skin lesions or in kittens <9 weeks of age and cats <1,2 kg bm. Do not treat male breeding animals. Do not admin. at intervals shorter than 8 weeks.

P/I: Safety during pregnancy and lactation has not been established.

See also IDR page 483

16.3. Topical ectoparasiticides

16.3.1. Horses

16.3.1.1. Organophosphors and carbamates

COOPERS® SUPADIP, Intervet SA (MSD Animal Health)
Chlorfenvinphos 30% m/v.

DIP AND SPRAY G3349

Indications: For the control of ectoparasites. E: Controls ticks. B: Controls ticks, mange and lice. O, Cap: Eradicates lice and keds. Contols ticks. Protects sheep against maggot fly infestation. Can: Controls ticks and fleas. –E, B, O, Cap, Can.

100ml, 500ml, 1L and 5L

Dosage: 463ml/100 animals. 1L product will replenish sufficient dip wash to dip 216 cattle.

W/T: Meat 14 days. Milk – Do not apply to lactating dairy cows or goats producing milk for human consumption.

C/I: Do not dip calves, lambs, kids or foals <1 month of age. Do not dip nursing bitches or puppies <3 months of age. Do not use on cats or pigs.

P/I: Do not dip hot, tired or thirsty animals. Toxic to fish, insects, birds and other animals.

See also IDR page 497

SUPONA TICK AND MAGGOT SURFACE AEROSOL, Zoetis
Chlorfenvinphos 0,48% m/m, dichlorphos 0,74% m/m, gentian violet 0,145% m/m.

AEROSOL G0411

Indications: Controls ticks. Kills maggots in wounds. For cuts, abrasions, after dehorning, branding, shearing, tail docking and castration to prevent infections and maggot infestations. –E, B, O, Cap, Can.

385ml

Dosage: Spray on infected areas.

See also IDR page 875

16.3.1.2. Pyrethrins and pyrethroids

BAYTICOL, Elanco AH
Flumethrin 2% m/v.

LIQUID G489

Indications: E: Controls ticks. Reduces screw-worm strikes on tick bite wounds. Kills stable flies. Sterilises female ticks. Controls northern fowl mite and feather mite in ostriches. –B, E, Can, Poultry, Ostriches.

1L, 5L

Dosage: E: 20ml/10L water.

P/I: Toxic to fish, bees, reptiles.

See also IDR page 285

BUZZ OFF GEL, V-Tech
Cypermethrin 0,3% m/v, citronella oil 0,6% m/v, herbal extracts.

GEL G2951

Indications: Fly repellent against houseflies on horses and dogs. –E, Can.
400g
Dosage: Wipe on as required.
P/I: Wash hands thoroughly after use. Avoid contamination of food, drinking water, etc.
See also IDR page 778

BUZZ OFF SPRAY, V-Tech
Cypermethrin 0,3% m/v, citronella oil 0,6% m/v, herbal extracts.
LIQUID G2953
Indications: Fly repellent against houseflies on horses and dogs. –E, Can.
1 (5)L
Dosage: Wipe and spray on as required.
P/I: Avoid breathing spray mist. Wash hands thoroughly after use. Avoid contamination of food, drinking water, etc.
See also IDR page 778

EQUIWORLD FLY REPELLENT FOR HORSES AND DOGS, Stride
Cypermethrin 0,25% m/v, piperonyl butox. 1,25% m/v, plant oils 0,025% m/v, lanolin 1% m/v.
LIQUID G1857
Indications: Protects against house- and stable flies, kills ticks and mosquitoes. –E, Can.
500ml, 1L, 5L, 20L
Dosage: Wipe-on or spray as required.
P/I: Do not breathe spray mist or contaminate food utensils, grazing, drinking water, rivers, dams. Shake before use and wear rubber gloves.
See also IDR page 677

MAXICYP 20 %, Kyron AH
Cypermethrin 200g/L.
DIP G2525
Indications: E: Controls ticks. –E, B.
1L, 5L
Dosage: Remove spray race: 1L/1 000L water. Hand-spraying: Prepare 5L dip wash per head at 10ml: 10L water. Treat horses by hand spraying.
See also IDR page 443

QUADREPEL, Intervet SA (MSD Animal Health)
Cypermethrin 0,250%, piperonyl butoxide 1,250%, natural plant oils 0,025%, lanolin 1,000% m/v.
LIQUID G3328
Indications: A wipe and spray-on fly repellent for protection against house and stable flies that also kills ticks and mosquitoes. –E, Can.
1L, 5L
Use: Wipe on or spray as required. Avoid spray mist around the head and eyes.
P/I: Avoid breathing in spray mist.
See also IDR page 628

SHOO-FLY® SPRAY, Kyron Labs
Permethrin 1%, esbiothrin 0,35%, piperonyl butoxide 1,5%
LIQUID SPRAY G2777

Indications: Fly repellent against biting- and nuisance flies. –Can, E.
250 (750)ml
Dosage: Spray coat or apply with sponge. Avoid eyes.
C/I: Cats.
See also IDR page 405

16.3.1.3. Combinations

BAYOPET® BACDIP® PLUS, Elanco AH
Flumethrin 2% m/v, piperonyl butoxlde 10% m/v.
LIQUID G2029
Indications: Controls ticks on horses and foals. Sterilises female ticks. –E.
100ml
Dosage: Dilute 20ml/10L water. Sponge or spray the horse and ensure thorough wetting.
P/I: Toxic to fish, bees and reptiles
C/I: Do not apply more than 1 x/week.
See also IDR page 282

WOUND-SEPT PLUS, Oberon Pharma (Virbac)
Cypermethrin 0,0125% m/v, dichlorophen 0,015% m/v, chlorocresol 0,5% m/v.
AEROSOL G1521
Indications: Wound treatment. Prevents blowfly strike and contamination of open wounds by flies. –B, Can, Cap, E, O, P.
250g
Dosage: Spray evenly and sparingly over wound from a distance of approximately 20cm. Repeat after 2-3 days if necessary.
See also IDR page 775

16.3.2. Ruminants

16.3.2.1. Organophosphors and carbamates

COOPERS® SUPADIP, Intervet SA (MSD Animal Health)
Chlorfenvinphos 30% m/v.
DIP AND SPRAY G3349
Indications: For the control of ectoparasites. E: Controls ticks. B: Controls ticks, mange and lice. O, Cap: Eradicates lice and keds. Contols ticks. Protects sheep against maggot fly infestation. Can: Controls ticks and fleas. –E, B, O, Cap, Can.
100ml, 500ml, 1L and 5L
Dosage: 463ml/100 animals. 1L product will replenish sufficient dip wash to dip 216 cattle.
W/T: Meat 14 days. Milk – Do not apply to lactating dairy cows or goats producing milk for human consumption.
C/I: Do not dip calves, lambs, kids or foals <1 month of age. Do not dip nursing bitches or puppies <3 months of age. Do not use on cats or pigs.
P/I: Do not dip hot, tired or thirsty animals. Toxic to fish, insects, birds and other animals.
See also IDR page 497

COOPERZON® 30, Intervet SA (MSD Animal Health)
Diazinon 30% m/v.
DIP G0821
Indications: Kills sheep scab mites, blowfly maggots, sheep lice and keds, goat lice, goat mange mites, lice on pigs, pig mange mites. Controls ticks present on animal at time of dipping. –O, Cap, P.
500ml, 5L, 20L, 25L
Dosage: See literature for dosage and dilution instructions as well as prevention of post-dipping lameness and lumpy wool.
W/T: Meat 30 days.
See also IDR page 502

DAZZEL NF, Elanco AH
Diazinon 30% m/v.
CONCENTRATE G582
Indications: O: Kills blowfly maggots, lice, sheep keds and scab mites. Controls itch mites, ticks, blow-fly strikes. Cap: Kills lice, mange mites. –O, Cap, P, Rabbits.
500ml (5;25)L
Dosage: O, Cap: Apply via patch treatment or dipping. See literature for dilution instructions.
C/I: Not for milk goats, poultry or near ducks/geese.
W/T: Meat 30 days.
See also IDR page 299

PAB-NF, Elanco AH
Propetamphos 0,14% m/m.
GREASE G961
Indications: Controls blowfly strike, kills blowfly maggots. –Cap, O.
5 (20)L
Use: Smear onto crutch and strike areas just before blowfly season.
S/E: As for organophosphates.
See also IDR page 334

SUPONA TICK AND MAGGOT SURFACE AEROSOL, Zoetis
Chlorfenvinphos 0,48% m/m, dichlorphos 0,74% m/m, gentian violet 0,145% m/m.
AEROSOL G0411
Indications: Controls ticks. Kills maggots in wounds. For cuts, abrasions, after dehorning, branding, shearing, tail docking and castration to prevent infections and maggot infestations. –E, B, O, Cap, Can.
385ml
Dosage: Spray on infected areas.
See also IDR page 875

16.3.2.2. Pyrethrins and pyrethroids

AFRIVET REDLINE®, Afrivet
Flumethrin 1% m/v.
POUR-ON G4245
Indications: Controls ticks on cattle, sheep, ostriches and game. Controls tsetse fly worry on cattle. Controls feather mite on ostriches. –B, O, Ostriches, Game.

10ml, 40ml, 200ml, 500ml, 1L, 5L, 20L
Dosage: Ready-to-use pour-on. 1ml/10kg bm. See literature for application details. Treat at regular intervals according to tick challenge.
W/T: Meat 7 days.
P/I: Toxic to bees and fish.
See also IDR page 1

BAYTICOL, Elanco AH
Flumethrin 2% m/v.
LIQUID G489
Indications: E: Controls ticks. Reduces screw-worm strikes on tick bite wounds. Kills stable flies. Sterilises female ticks. Controls northern fowl mite and feather mite in ostriches. –B, E, Can, Poultry, Ostriches.
1L, 5L
Dosage: E: 20ml/10Lwater.
P/I: Toxic to fish, bees, reptiles.
See also IDR page 285

CLOUT®, Intervet SA (MSD Animal Health)
Deltamethrin 1% m/v.
POUR-ON G1447
Indications: A ready-to-use pour-on. B: Controls ticks. Controls stable flies, horn flies, cattle louse flies and nuisance flies, e.g. house flies. Kills lice (biting and sucking). Protects against black flies. O, Cap: Controls Karoo paralysis ticks, bont-legged ticks and red-legged ticks. –B, O, Cap.
200ml, 500ml, 1L, 5L, 20L
Dosage: Ticks, fleas and lice: 1ml/10kg bm. O, Cap: Optimal residual action – 1ml/5kg bm. Karoo paralysis ticks: Divide the full dose/ animal into 4 equal parts. Apply 1 part onto each axilla and groin region, whilst the animal is turned over in a sitting position. Angora goats: Repeat after approx. 2 weeks. Dorper sheep: Repeat after approx. 4 weeks. Merino sheep: Repeat after approx. 6 weeks. Bont-legged and red-legged ticks: Divide dosage into 3 equal parts and apply to the axilla, groin and anogenital regions. Treat sheep at regular intervals of approx. 3-4 weeks or according to tick challenge.
C/I: Do not use on calves/lambs less than 1 month of age. Apply along the backline, from the shoulder to the root of the tail.
See also IDR page 492

COOPERS® DECA-SPOT® 0,5% POUR-ON, Intervet SA (MSD Animal Health)
Deltamethrin 0,5%, piperonyl butoxide 2,0% m/v.
POUR-ON G4240
Indications: B: Controls ticks. Controls stable flies, horn flies, cattle louse flies and nuisance flies. Kills biting and sucking lice. Protects against black flies. –Cap O: Controls Karoo paralysis, bont-legged and red-legged ticks.
200ml, 1L, 5L, 20L
Dosage: B: 1ml/10kg bm. Cap O: 1ml/5kg
C/I: Do not use on calves/lambs under 3 months.
See also IDR page 497

DECATIX® 3, Intervet SA (MSD Animal Health)
Deltamethrin 2,5% m/v.
DIP G1348
Indications: A cattle, sheep and goat dip. A cattle and ostrich spray. Controls ticks. Kills cattle lice. Controls African face flies. Controls other nuisance and biting flies on cattle, e.g. stable flies, house flies, cattle louse flies, black flies and horn flies. Controls screw-worm infestations. Kills sheep scab mites and keds. Kills sheep and goat lice. –B, Cap, O, Ostriches.
1L, 5L, 10L
Dosage: B: Spray: 100ml/50L water. Dip tanks filling: 1,5L/1 00L water (22,5L/15 000L/ dip tank). O, Cap: 2 050ml/1 000L water. If outbreak of sheep scab, dip 2 x at statutory 8-10 day intervals. See literature for other dilution instructions.
P/I: Toxic to bees, other insects and fish.
See also IDR page 504

DELETE®, Intervet SA (MSD Animal Health)
Deltamethrin 0,5%, piperonyl butoxide 2,0% m/v.
POUR-ON G2815
Indications: B: Controls ticks, stable-, horn, cattle louse-, nuisance flies. Kills biting/ sucking lice. Protects against blackflies. Cap, O: Controls Karoo paralysis, bont-legged, red-legged ticks. –B, Cap, O.
200ml, 1L, 5L 20L
Dosage: B: Apply 1ml/10kg bm along the backline. O, Cap: 1ml/5kg. See literature.
C/I: Do not use on calves/lambs under 1 month.
See also IDR page 505

DELETE®-X5, Intervet SA (MSD Animal Health)
Deltamethrin 5% m/v.
LIQUID G3279
Indications: B, O, Cap: Controls ticks, kills cattle lice, controls African face flies, controls screw-worm infestations, controls nuisance and biting flies on cattle, kills sheep scab mites, kills sheep and goat lice, kills sheep keds. Ostriches: Kills feather lice. –B, O, Cap, Ostriches.
1L, 5L, 10L
Dosage: Use as dip or spray. B: For ticks and flies, 1L/2 000L water. For others see literature.
W/T: O, Cap: Meat 4 days. B, Ostrich: None.
P/I: Toxic to bees, other insects and fish. Poisonous by swallowing and inhalation.
See also IDR page 507

DELTADIP POUR-ON, Kyron AH
Deltamethrin 0,5% m/v, Piperonyl butoxide 2,5% m/v.
POUR-ON G3838
Indications: B: Controls ticks, stable flies, horn flies, cattle louse flies, nuisance flies. Kills biting and sucking lice. Protects against

black flies. O, Cap: Controls Karoo paralysis, bont-legged and red-legged ticks. –O, Cap. 20L
Dosage: B: 1ml/10kg bm. O, Cap: 1ml/5kg bm. See literature for full instructions for use.
W/T: Meat 7 days. Milk 0 days.
C/I: Do not use on calves and lambs <3 months of age.
See also IDR page 417

DELTADIP TICK GREASE, Kyron AH
Deltamethrin 0,10% m/m, piperonyl butoxide 0,05% m/m.
PATCH G4054
Indications: Control of ticks at the site. –B, O.
500g, 4kg
Dosage: Apply with a brush directly to feeding sites, i.e. ears, tail root, udder and feet at weekly intervals.
P/I: Wear protective gloves during application.
See also IDR page 418

DELTA FORCE 100, Afrivet
Deltamethrin 10%.
DIP/SPRAY G4367
Indications: Controls all tick species, including blue ticks, controls nuisance and biting flies on cattle namely stable flies, house flies, cattle louse flies, black flies and horn flies. Controls screw-worm infestations and tsetse fly –B.
10ml, 100ml, 200ml, 500ml, 1L, 5L, 10L
Dosage: Spraying: Dilute at rate of 1L Delta Force 100 to 2 000L of water. No boosting of spray wash is necessary. If more than 300 animals are dipped and the dipwash level decreases by half of the reservoir's capacity, add the necessary volume of water, and add Delta Force 100 at a rate of 0,5L/1 000L water by using the pre-mixing method described above. Diptanks: Filling: Use 1L Delta Force 100 to 2 666L water (average diptank of 15 000L requires 5,7L concentrate to fill). Replenishment: Use 1L Delta Force 100 to 2 222L of replenishment water or use the "head count" system (see literature).
W/T: Meat 21 days.

See also IDR page 13

DELTAPOR 5, ECO (Afrivet)
Deltamethrin 0,5%, piperonyl butoxide 2,5% m/v.
POUR-ON G4252
Indications: B: Controls ticks. Controls stable flies, horn flies, cattle louse flies and nuisance flies. Kills biting and sucking lice. Protects against black flies. Cap, O: Controls Karoo paralysis, bont-legged and red-legged ticks. –B, Cap, O.
200ml, 500ml, 1L, 5L, 20L
Dosage: B: 1ml/10kg bm. Cap, O: 1ml/5kg bm.
W/T: Meat 7 days.
C/I: Do not use on calves/lambs under 3 months.
See also IDR page 14

DELTAPOR 10 PLUS, ECO (Afrivet)
Deltamethrin 1%, piperonyl butoxide 3% m/v.
POUR-ON G4255
Indications: Controls ticks. Controls nuisance, biting and tsetse flies. –B. 200ml, 500ml, 1L, 5L, 20L
Dosage: B: 1ml/10kg bm.
W/T: Meat 14 days, Milk 48 hours.
See also IDR page 14

DRASTIC DEADLINE, Elanco AH
Flumethrin 1% m/v.
POUR-ON G723
Indications: Tick control. –B, O, Game, Ostriches. 200ml, 500ml, 1L, 6L, 20L
Dosage: 1ml/10kg bm along back-line.
See also IDR page 304

ECTOMIN 100 EC, Elanco AH
Cypermethrin 100g/L.
DIP & SPRAY G3314
Indications: B: Controls ticks, nuisance flies, biting flies, lice and keds. O, Cap: Controls lice. Poultry: Controls mites. –B, O, Cap, Poultry. 5L, 20L
Dosage: Plunge dips and spray race: 1L/1 000L water. Hand spraying: 10ml/10L water.
See also IDR page 307

ERADITICK GREASE, ECO (Afrivet)
Deltamethrin 0,1%, piperonyl butoxide 0,05% m/v.
GREASE G3667
Indications: Patch treatment for the control of ticks at site of application. –B, O. 500g, 4kg
Dosage: Apply with a brush directly to tick feeding sites (i.e. ears, eyelids, tail root, udder and feet) at weekly intervals.
P/I: Do not apply to large areas on the animal. Wear protective gloves during application.
See also IDR page 28

MAXICYP 20 %, Kyron AH
Cypermethrin 200g/L.
DIP G2525
Indications: B: Controls ticks, kills lice and aids in the control of nuisance flies and biting flies on cattle. –E, B. 1L, 5L
Dosage: Spray race: 1L/1 000L water. Spray race (fresh fill): 1L/1 000L water.
W/T: Meat 7 days.
See also IDR page 443

MAXIPOUR, Kyron AH
Flumethrin 1% m/v.
POUR-ON G3567
Indications: Sterilises female ticks. Controls ticks on cattle and sheep. Controls Tsetse fly worry on cattle. –B, O, Ostriches, Game. 500ml, 1L, 5L, 20L, 25L
Dosage: Shake well before use. 1ml/10kg bm. See literature.

W/T: Meat 7 days. Milk 0 days.
P/I: Toxic to bees and fish.
See also IDR page 445

PARACIDE, Zoetis
Alphamethrin 7% m/v.
DIP G0791
Indications: B: Controls ticks, face flies. Protects against nuisance-, biting flies, midges. Kills biting and sucking lice, sand tampans. Cap, O: Controls ticks. Kills biting and sucking lice. –B, Cap, O. 500ml, 1L, 5L, 10L
Dosage: Spray race, hand spray, plunge dip or belly bath. 1L/1 000L water. See literature.
W/T: B: Meat 24 hours. Cap, O: Meat 7 days.
See also IDR page 852

PRO-DIP CYP™ 20%, Virbac
Cypermethrin 20% m/v.
LIQUID G2311
Indications: B: Controls ticks, biting-, sucking lice. Helps control nuisance- and biting flies. O: Controls paralysis and sheepscab mite. Prevents blowfly strike. –O. 1L, 5L, 20L
Dosage: Plunge dip, spray race or hand spray. 1L/1 000L water.
IN-USE COMBINATION OF AMIDIP® MAX (G3767) AND PRO DIP CYP™ 20% (G2311)
Dosage form: Cattle dip.
Composition: AMIDIP® MAX (G3767): Amitraz 25% m/v; **PRO DIP CYP™ 20% (G2311):** Cypermethrin 20% m/v
Indications: The combination of Amidip® Max (G3767) and Pro Dip Cyp™ 20% (G2311) is highly effective in the control of ticks.
Dosage: 1L Amidip® Max (G3767) and 1L Pro Dip Cyp™ 20% (G2311) to 2 000L water. The 2 solutions must be incorporated separately into the spray tank. The mixture should be prepared immediately prior to use.
C/I: Do not use on horses.
W/T: Meat 7 days. Milk 0 days.
P/I: Once prepared, the solution should be used within a period of 3 days. Toxic to bees, other insects and fish.

See also IDR page 746

WIPE-OUT®, Intervet SA (MSD Animal Health)
Deltamethrin 0,5% m/v.
POUR-ON G3172
Indications: Kills red lice, blowfly maggots and keds on sheep. Controls Karoo paralysis ticks. –O, Cap. 5L
Dosage: Ready-to-use, pour-on. Red lice on sheep and goats and keds on sheep: 2ml/5kg bm. Goats: 2 treatments of 2ml/5kg bm applied 1 month apart, provides 16 weeks protection against red lice. Karoo paralysis ticks: Woolled sheep: 1ml/5kg bm. Repeat after 8-10 weeks if necessary. Hairy sheep: 2ml/5kg bm. Repeat after 4 weeks if necessary. Goats: 2ml/5kg. Repeat every 2-3 weeks if necessary. Blowfly maggots:

Clip wool around the wound. Apply ± 10ml to lightly cover the affected area and surroundings Monitor the area and re-treat if necessary.
W/T: Meat 3 days. Do not use on lactating sheep and goats where milk is intended for human consumption.
P/I: Contains no oil. Will not stain the fleece. Toxic to fish and bees. Do not empty into streams.
See also IDR page 660

16.3.2.3. Formamidines

AMIDIP® MAX, Virbac
Amitraz 25,0% m/v.
EMULSIFIABLE CONCENTRATE G3767
Indications: Controls ticks, kills lice and mange mites. –B. 100ml, 1L, 5L, 10L
Dosage: 10ml/100L water. Ticks and mange: Spray/dip weekly. Lice: Spray/dip twice with a 7 day interval.
C/I: Do not use on horses.
W/T: Meat 7 days. Milk 0 days.
P/I: Once prepared, the solution should be used within a period of 3 days.
IN-USE COMBINATION OF AMIDIP® MAX (G3767) AND PRO DIP CYP™ 20% (G2311)
Dosage form: Cattle dip.
AMIDIP® MAX (G3767): Amitraz 25% m/v.
PRO DIP CYP™ 20% (G2311): Cypermethrin 20% m/v.
Indications: The combination of Amidip® Max (G3767) and Pro Dip Cyp™ 20% (G2311) is highly effective in the control of ticks.
Dosage: 1L Amidip® Max (G3767) and 1L Pro Dip Cyp™ 20% (G2311) to 2 000L water. The 2 solutions must be incorporated separately into the spray tank. The mixture should be prepared immediately prior to use.
C/I: Do not use on horses.
W/T: Meat 7 days. Milk 0 days.
P/I: Once prepared, the solution should be used within a period of 3 days.
See also IDR page 685

COOPERS® TRIATIX® 12,5 %, Intervet SA (MSD Animal Health)
Amitraz 12,5 % m/v.
DIP G4237
Indications: B: Controls ticks. Kills lice and mange mites. O: Treatment and control of sheep scab mites (*Psoroptes ovis*), itch mites, sheep lice (*Bovicola ovis*) and keds. Cap: Treatment and control of mange mites and lice. Ostriches: Controls ticks. –B, O, Cap, Ostriches. 100ml, 200ml, 500ml, 1L, 5L, 20L
Dosage: 1L/500L water. Start with fresh dip at each day's dipping/spraying. See literature.
W/T: B, O: Meat 7 days. Ostriches: Meat 14 days. O: Wool 60 days.
C/I: Do not use on horses. Do not be mix with any other dip.
P/I: Do not dip hot, tired or thirsty animals.
See also IDR page 499

COOPERS® TRIATIX® CATTLE POUR-ON, Intervet SA (MSD Animal Health)
Amitraz 2% m/v.
POUR-ON G4241
Indications: Controls ticks. –B, Ostriches. 20L
Dosage: Ready-to-use product. 1ml/10kg bm. See literature.
W/T: Meat 7 days.
C/I: Do not use on horses or calves <1 month.
P/I: Treat strictly according to bm.
See also IDR page 500

ERADITICK 125, ECO (Afrivet)
Amitraz 12,5% m/v.
DIP G3583
Indications: B: Controls ticks. Kills lice and mange mites. Cap, O: Controls ticks. Controls sheep scab. Kills itch mites and goat mange mites. –B, O, Cap. 200ml, 500ml, 1L, 5L, 20L
Dosage: B: Spray: 100ml/50L water. Plunge dip: TR 1L/2 500L water. Head count system 1L/179 cattle dipped.
Fresh fill: 1L/500L water. Replenishment: 1L/500L water. Cap/O: 1L/375L water.
W/T: Meat 7 days.
C/I: Do not use on horses.
See also IDR page 25

ERADITICK 250, ECO (Afrivet)
Amitraz 25% m/v.
DIP G4047
Indications: B: Controls ticks. Kills lice and mange mites. Cap, O: Controls ticks. Controls sheep scab. Kills itch mites and goat mange mites. –B, O, Cap. 1L, 5L, 20L
Dosage: B: Spray: 100ml/100L water. Plunge dip: TR 1L/5 000L water. Head count system 1L/359 cattle dipped.
Fresh fill: 1L/1 000L water. Replenishment: 1L/1 000L water. Cap/O: 1L/750L water.
W/T: Meat 7 days.
C/I: Do not use on horses.
See also IDR page 26

ERADITICK CATTLE POUR ON, ECO (Afrivet)
Amitraz 2,0% m/v.
POUR-ON G4254
Indications: Controls ticks. –B. 1L, 5L, 20L
Dosage: 1ml/10kg bm.
W/T: Meat 7 days. Milk 2 days.
C/I: Do not use on horses or calves/lambs under 1 month.
See also IDR page 27

MILBITRAZ SPRAY DIP, Elanco AH
Amitraz 12,5% m/v.
DIP G2084
Indications: Controls ticks, kills lice and mange mites. –B. 100ml, 500ml, 1L, 5L, 25L

Dosage: Spray 5L/2 500L water. Spray wash must be boosted as from 500 head. Intensive tick control: Spray weekly. Mange: Spray weekly. Lice: Spray 2 x with a 7-day interval.
W/T: Meat 7 days.
See also IDR page 323

SUPATRAZ 125, Kyron AH
Amitraz 125,0g/L.
DIPWASH G3011
Indications: Controls ticks. Kills lice and mange mites. –B. 200ml, 1L, 5L, 20L
Dosage: Premix 200ml/100L water. Ticks and mange: spray weekly. Lice: spray 2 x with a 7 day interval.
W/T: Meat 7 days. Milk 0 days.
C/I: Do not use on horses.
See also IDR page 462

SUPATRAZ 25 %, Kyron AH
Amitraz 25,0% m/v.
CONCENTRATE G3581
Indications: Cattle: Controls ticks. Kills lice and mange mites. Sheep and goats: Controls ticks. Controls sheep scab. Kills itch mites and goat mange mites. –B, Cap, O. 100ml, 1L, 5L, 10L
Dosage: 100ml/100L water. See literature.
W/T: Meat 7 days.
C/I: Do not use on horses.
See also IDR page 461

SUPATRAZ CATTLE POUR-ON, Kyron AH
Amitraz 2,0% m/v.
POUR-ON G3649
Indications: Control of ticks. –B. 20L
Dosage: 1ml/10kg bm.
W/T: Meat 7 days. Milk 2 days.
C/I: Do not use on horses. Do not use on calves under 1 month.
See also IDR page 463

TAKTIC® CATTLE SPRAY, Intervet SA (MSD Animal Health)
Amitraz 12,5% m/v.
Indications: B: Controls ticks. Kills mange mites and lice on cattle. Ostrich: controls ticks. Cap: controls mange mites and lice. O: controls sheep scab mites, itch mites, sheep lice and keds. –B, Cap, O, Ostrich. **LIQUID** G2535 500ml (1; 5; 20)L.
Dosage: B: 1L/500L water. Ticks: Spray weekly to provide intensive control. Mange: Spray weekly. Lice: Spray twice with a 7-day interval. O: Sheep scab. –1L/250L water. Sheep lice, itch mites and keds –1L/500L water. Ostrich: 1L/1 000L water. Cap: Goat mange. –1L/250L water. Goat lice. –1L/500L water.
W/T: B, O: Meat 7 days. Ostrich: 14 days. Wool: 60 days.
P/I: Do not use on horses.
See also IDR page 647

TAKTIC® TR, Intervet SA (MSD Animal Health)
Amitraz 23,75% m/m.
DIP G2537
Indications: Controls ticks on cattle, sheep and goats. Kills cattle lice, sheep scab mites, itch mites and goat mange mites. –B, O, Cap. 1kg, 3kg
Dosage: See literature.
W/T: Meat 7 days.
C/I: Do not use on horses. Do not mix with any other dip.
P/I: Not for hand spraying or spray races.
See also IDR page 649

16.3.2.4. Chitin synthesis inhibitors

ACATAK POUR-ON, Elanco AH
Fluazuron 25g/L.
POUR-ON G2422
Indications: Control of blue ticks. –B. 5L back pack + applicator
Dosage: 6ml/50kg bm. Dose according to heaviest in the herd.
C/I: Cattle producing milk for human consumption.
W/T: Meat 6 weeks. Do not slaughter calves <10 months old which have suckled on treated cows.
See also IDR page 254

CLIK®, Elanco AH
Dicyclanil (pyrimidinamine) 50g/L.
POUR-ON G2667
Indications: A pour-on blowfly development inhibitor for the protection of sheep against blowfly strike for up to 20 weeks. Prevents development of blowfly eggs and larvae to the adult stage. –O. 5L, 20L
Dosage: 20ml/10-20kg bm. See literature. Apply with a manual dosing gun with a spray nozzle. Admin. once, before or at the beginning of the blowfly season.
W/T: Meat 28 days.
C/I: Do not treat sheep producing milk for human consumption.
See also IDR page 293

CLIK® EXTRA, Elanco AH
Dicyclanil (pyrimidinamine) 65g/L (6,5% w/v).
POUR-ON G4443
Indications: Protection against blowfly strike for up to 28 weeks. Prevents the development of blowfly eggs and larvae to the adult stage. –O. 20L
Dosage: Shake well. Apply 20ml/10-20kg bm ready-to-use product with a manual dosing gun with a spray nozzle, to enable correct spreading on the fleece. Admin 1 x, before or at the beginning of the blowfly season.
W/T: Meat and offal 40 days.
C/I: Do not use in sheep producing milk for human consumption.

P/I: Keep treated sheep away from water courses for at least 1 hour after treatment.
See also IDR page 294

LONGRANGE, Antrovect AH
Fluazuron 12,5g, ivermectin 3,15g/100ml.
INJECTABLE SOLUTION G4328
Indications: For the treatment and control of internal and external parasites. –B. Controls bankruptworm (*Cooperia* spp.) for 35 days; Controls wireworm (*H. placei*) and brown stomachworm (*O. ostertagi*) for 42 days; Controls hookworm (*B. phlebotomum*) and nodularworm (*O. radiatum*) for 49 days. Prevents re-infestation of blue ticks for up to 112 days. 500ml

Dosage: 1ml sc/50kg bm. Inject behind the shoulder blade.
W/T: Meat 80 days.
C/I: Do not use in cows producing milk for human consumption.
See also IDR page 91

TRIGGER STRIKE, Virbac
Triflumuron 2,5% m/v.
POUR-ON G4042
Indications: For the control of body lice (*Bovicola ovis*, *Bovicola limбата*) in goats and sheep and blowfly strike (including *Lucillia cuprina*) in sheep. – O, Cap.
Dosage: Dip with Pro-Dip™ Cyp 20% (G2311), then treatment with Trigger Strike can be applied from 24 hours of dipping. Lice control: 10ml/10kg bm. Fly control 5ml/10kg bm. See literature.

W/T: Meat 60 days.
C/I: Do not use on animals, which are producing milk products for human consumption. Do not treat lambs or kids under 2 months of age.
P/I: Do not mix treated sheep and goats with lice free animals until 4 weeks after treatment.
See also IDR page 762

VETRAZIN®, Elanco AH
Cyromazine (triazine) 500g/kg.
WATER-SOLUBLE CONCENTRATE G0525
Indications: Protects sheep against blowfly strike for up to 10 weeks, including resistant strains of blowfly. –O.
2kg
Dosage: Treat sheep with at least 6 weeks wool growth. Young sheep and lambs may require more frequent treatment than mature sheep. Crutch application: At least ½L/sheep. Body application: 1-2L/sheep, depending on wool length.
P/I: Do not mix with any other dip. Wear gloves when hand-dressing.
See also IDR page 348
VETRAZIN® POUR-ON, Elanco AH
Cyromazine (triazine) 100g/L.
POUR-ON G1397

Indications: Pour-on sheep blowfly remedy. Protects sheep against blowfly strike for up to 10 weeks. –O.
20L
Dosage: 1ml/1kg bm. Apply before the anticipated blowfly challenge. Apply to the back-line in a 10cm wide band from the middle of the shoulders to the rump and around the crutch area. Apply ½ the dose to the mid-line and the other ½ over the crutch area.
W/T: Meat 7 days.
C/I: Do not use on sheep producing milk for human consumption.
P/I: Do not mix with any other dip.
See also IDR page 349

16.3.2.5. Combinations

AMIPOR®, Virbac
Amitraz 1% m/v, cypermethrin 1% m/v, piperonyl butoxide 5% m/v.
POUR-ON G2058
Indications: B: Controls ticks, house-, stable-, face flies. Kills biting-, sucking lice. O: Controls Karoo paralysis ticks. O, Cap: Kills red lice. –B, O, Cap, Game.
200ml, 1L 5L, 20L, 25 L
Dosage: B: 10ml/100kg bm weekly for 3 weeks. O, Cap: 2ml/10kg bm 2 times, 3 weeks apart.
C/I: Toxic to horses.
W/T: Meat 18 days.
P/I: Treat calves <6 months strictly according to bm. Toxic to bees, insects and fish.
See also IDR page 686

ATTILA, Kyron AH
Fipronil 0,9% m/v, abamectin 0,5% m/v.
POUR-ON G4197
Indications: A ready-to-use pour-on for the control of internal and external parasites for cattle. –B.
500ml, 1L, 5L
Dosage: 1ml per 10kg. Apply in two lines, on both sides of the spinal column, from the poll of the head to the tail root.
W/T: Meat 105 days
C/I: Do not apply to lactating animals.
See also IDR page 407

BANTIK CATTLE DIP, Kyron AH
Cymiazol 17,5% m/v, cypermethrin 2,5% m/v.
DIP G3571
Indications: Controls ticks, has a detaching effect. Kills lice. Controls nuisance flies, biting flies, face flies. Protects against screw-worm infestation. –B.
100ml, 1L, 5L, 20L
Dosage: Plunge dip: 1,5L/1 000L water. Spray race: 1,5L/1 000L water. Hand spraying: 15ml/10L water.
W/T: Meat 7 days.
P/I: Toxic to fish.
See also IDR page 408

COOPERS® TRIATIX® PLUS POUR-ON, Intervet SA (MSD Animal Health)
Amitraz 2,0% m/v, deltamethrin 0,50% m/v, piperonyl butoxide 2,0% m/v.
POUR-ON G4239
Indications: B: Controls ticks. Controls stable flies, horn flies, cattle louse flies and nuisance flies. Kills lice (biting and sucking) and mange mites. Protects against black flies. O, Cap: Controls Karoo paralysis, bont-legged and red-legged ticks. Game: Controls ticks. –B, O, Cap, Game.
500ml, 1L, 5L, 20L
Dosage: Ready-to-use pour-on. B: Ticks, flies and lice: 1ml/10kg bm along the backline. Black fly: Apply also to ears and underline. O, Cap: 1 ml/5kg bm. Karoo paralysis ticks: Divide the full dose per animal into 4 equal parts. Apply 1 part onto each axilla and groin region, whilst the animal is turned over in a sitting position. Bont-legged and red-legged ticks: The dosage should be divided into 3 equal parts and applied to the axilla, groin and anogenital regions. Game: Ticks: 10 ml/100 kg bm. Apply along the backline, from the shoulder to the root of the tail.
W/T: Meat 7 days. Milk 0 days.
C/I: Do not use on horses and other equidae species. Do not use on calves/lambs under 1 month.
P/I: Treat strictly according to bm. Do not contaminate ponds, rivers and other water sources.
See also IDR page 501

CURA-SPRAY, Antrovect AH
Dichlorvos (DDVP) 1,60g, cyper-methrin 0,37g, sulfadiazine 0,11g, piperonyl butoxide 0,021g, aluminium powder 4,7% m/m/100ml.
SPRAY G3932
Indications: A blowfly maggot treatment and wound remedy. –B, O.
440ml
Dosage: Shake well before use. Wear rubber gloves during application. O: Apply evenly over the whole wound surface. Two treatments, 1 day apart, will kill all the blowfly larvae on the treated sites. B: Apply evenly as a single-host spot-treatment and spray from a distance of approximately 15cm to cover tick infested areas.
W/T: Meat 14 days.
C/I: Not for use in lactating animals where milk is intended for human consumption.
P/I: Wear rubber gloves during application.
See also IDR page 84

CYMGARD, Zoetis
Cymiazole 2% m/v, cypermethrin 1% m/v.
POUR-ON G3922
Indications: Controls ticks and nuisance flies. –B.
1L, 20L

Dosage: Apply along length of back. 10ml/100kg bm.
W/T: Meat 14 days. Milk 0 days.
See also IDR page 807
CYPERTRAZ POUR-ON, Ceva AH
Amitraz 17,5g, cypermethrin 15,0g/L.
POUR-ON G3472
Indications: Controls ticks, house-, stable- and face flies. Kills lice. –B. Controls *Rhipicephalus appendiculatus* (Brown ear ticks) and *R. evertsi* (Red-legged ticks). 1L, 5L and 20L
Dosage: 10ml/100kg bm. Apply along the midline of the back of the animal. Treat weekly for 3 weeks. Thereafter treat according to tick challenge. Karoo Paralysis ticks: 2ml/10kg.
W/T: Meat 14 days. Milk 0 days.
C/I: Do not use on horses – toxic to horses.
See also IDR page 208

DELETE® ALL, Intervet SA (MSD Animal Health)
Amitraz 2,0%, deltamethrin 0,5%, piperonyl butoxide 2,0% m/v.
POUR-ON G2837
Indications: B: Controls ticks, stable-, horn-, cattle louse-, nuisance flies. Kills biting/ sucking lice and mange mites. Protects against blackflies. Cap,O: Controls Karoo paralysis, bont-legged-, red-legged ticks. Game: controls ticks. –B, Cap, O and Game.
200ml (1; 5; 20)L
Dosage: B: Apply 1ml/10kg bm along the backline. Blackfly: Also apply to ears and underline. O, Cap: 1ml/5kg bm. Karoo paralysis ticks: Divide dose/animal into 4. Apply 1 part to each axillae and groin region. Treat at regular intervals according to tick challenge. Other ticks: Divide dose into 3 equal parts, apply to axillae, groin, anogenital regions. Game: 10ml/100kg bm. Apply along the backline from the shoulder to the root of the tail.
C/I: Do not use on calves/lambs under 1 month of age. Do not use on horses.
W/T: Meat 7 days.
P/I: Treat strictly according to bm.
See also IDR page 506

DRASTIC DEADLINE® EXTREME, Elanco AH
Fluazuron 2,5% m/v, flumethrin 1,0% m/v.
POUR-ON G3840
Indications: B: Controls ticks, including amidine, pyrethroid and organophosphate resistant strains of blue ticks. Sterilises female blue ticks and prevents development of tick eggs, larvae and nymphs to adults. Controls tssetse fly worry. Controls red lice. –B. 5L, 10L
Dosage: 20ml/200kg bm.
W/T: Meat 35 days.
C/I: Do not use on animals producing milk for human consumption. Do not slaughter calves

less than 10 months old that have suckled on treated cows.
P/I: Toxic to bees and fish. Direct contact with the pour-on should be avoided.
See also IDR page 305
ECOBASH, ECO (Afrivet)
Cymiazol 17,5% m/v, cypermethrin 2,5% m/v.
DIP G3382
Indications: Controls ticks, has a detaching effect. Kills lice. Controls nuisance flies, biting-flies, face flies. Protects against screw-worm infestation. –B.
1L, 5L, 20L
Dosage: Plunge dip: Fresh fill 1,5L/1 000L water. Replenishment 3L/1 000L water. Spray race: Fresh fill 1,5L/1 000L water. Replenishment 1,5L/1 000L water. Hand spray: 15ml/10L water.
W/T: Meat 7 days.
See also IDR page 17

ECTOSHIELD, Kyron AH
Cypermethrin 1,5% m/v, amitraz 1,75% m/v.
POUR-ON G2671
Indications: B: Controls ticks, house-, stable- and face flies and also kills lice. O: Controls bont ticks and red-legged ticks. –B, O.
500ml, 1L, 5L, 20L, 25L
Dosage: B: 10ml/100kg bm. Apply from the head to the base of the tail. Treat weekly for 3 weeks. Thereafter according to challenge. O: 1ml/5kg bm. Divide the dose in 4 equal parts and apply 1 part to each axilla and inguinal area. Treatment may be repeated 7 days later. Thereafter according to challenge.
W/T: B: Meat 14 days. Milk 0 days. O: Meat 21 days.
C/I: Do not use on horses, toxic to horses.
See also IDR page 421

EKTOBAN, Elanco AH
Cymiazol 175g/L, cypermethrin 25g/L.
LIQUID G0598
Indications: Controls ticks. Kills lice. Controls nuisance-, face- and biting flies. Protects against screw-worm infestation. –B.
100ml, 1L, 5L, 20L
Dosage: 1,5:1 000 initial filling. 3:1 000 replenish. Spray 1,5:1 000.
W/T: Meat 7 days.
P/I: Toxic to fish.

See also IDR page 307
ERADITICK PLUS POUR ON, ECO (Afrivet)
Amitraz 1,5%, deltamethrin 0,5% m/v, piperonyl butoxide 3% m/v.
POUR-ON G4251
Indications: B: Controls ticks. Controls stable flies, horn flies, cattle louse flies and nuisance flies. Kills biting and sucking lice and mange mites. Protects against black flies. Cap, O: Controls Karoo paralysis, bont-legged and red-legged ticks. –B, O, Cap.
200ml, 500ml, 1L, 5L, 20L

Dosage: 1ml/10kg bm. O/Cap: 1ml/5kg bm.
W/T: Meat 7 days. Milk 0 days.
C/I: Do not use on horses or calves/lambs under 3 months of age.
See also IDR page 29
ERADITICK ULTRA, Afrivet
Chlorfenvinphos 20% m/v, cymiazol 16% m/v, cypermethrin 2,5% m/v.
DIP & SPRAY G3976
Indications: Controls ticks on cattle: blue ticks, bont-legged ticks, bont ticks, red-legged ticks and brown-ear ticks. Controls houseflies. –B.
200ml, 500ml, 1L, 5L, 10L
Dosage: Premix 1L/600L water. Dip every 2 weeks. Spray once a week.
W/T: Meat 10 days. Milk 12 hours.
P/I: Extremely toxic to fish.
See also IDR page 29

IVOMEC SUPER INJECTION, Boehringer
Ivermectin 1% m/v, clorsulon 10% m/v.
INJECTION G2629
Indications: B: Controls wire-, brown stomach-, cattle bankrupt-, hook-, nodular-, lung- and adult eyeworm, adult liver- and adult giant liverfluke. Aids in the control of *Parafilaria*. O: Controls wire-, brown stomach-, bankrupt-, hook-, nodular-, large-mouthed bowel-, lung-, immature long-necked bankrupt- and nasal bot. –B, O.
50, 200ml, 500ml
Dosage: B: 1ml/50kg bm sc; O: 0,5ml/25kg bm sc.
W/T: Meat 28 days. Milk 28 days.
P/I: Do not admin. iv or im. Vacc. cattle against black quarter, malignant oedema and sheep against enterotoxaemia before treatment.

See also IDR page 131
MAXIMUS, Antrovect AH
Fipronil 0,9% m/v, abamectin 0,5% m/v.
POUR-ON G4395
Indications: A ready-to-use pour-on antiparasitic. –B.
500ml, 1L, 5L, 20L
Dosage: 1ml/10kg bm. Ready-to-use pour-on. Apply in two lines, on both sides of the spinal column, from the poll of the head to the tail root. Efficacy: See literature.
W/T: Meat 105 days.
C/I: Do not apply to lactating animals where the milk is intended for human consumption.
P/I: Do not apply to wet animals or if rain is expected shortly after application.

See also IDR page 92
MAXIPOUR, Kyron AH
Flumethrin 1% m/v.
POUR-ON G3567
Indications: Controls ticks on ostriches and game. Sterilises female ticks. –B, O, Ostriches, Game.
500ml, 1L, 5L, 25L

Dosage: Shake well before use. 1ml/10kg bm. See literature.

W/T: Meat 7 days.

P/I: Toxic to bees and fish.

See also IDR page 445

SUPASPRAY PLUS, Kyron AH
Dichlorphos 1,6g, cypermethrin 0,37g, sulfadiazine 0,11g, piperonyl butoxide 0,021g, aluminium powder 4,7% m/m per 100ml.

SPRAY G3829
Indications: Ectoparasiticide wound remedy. O: Kills blowfly maggots in wounds. B: Controls multi-host and single-host ticks. –B, O.

Dosage: Apply evenly over the whole wound surface. Two treatments, 1 day apart, will kill all parasites on the treated sites.

W/T: B: Meat 14 days.

C/I: Do not use in lactating animals where milk is intended for human consumption.

P/I: Wear rubber gloves during application.

See also IDR page 461

TIKGARD, Zoetis
Chlorfenvinphos 30% m/v, alpha-cypermethrin 3% m/v.

DIP/SPRAY G1486
Indications: B: Controls ticks and kills biting and sucking-lice. Protects against nuisance flies and screw-worm infestations. O, Cap: Kills sheep scab mites and goat mange mites. Controls itch mites and ticks (including Karoo paralysis ticks), kills lice and keds. Protects against blowfly strike and midge worry. –B, O, Cap.

1L, 10L

Dosage: Dipping: 1L/1 000L water. See literature.

W/T: B: Meat 7 days. Milk 6 hours.

O, Cap: Meat 14 days. Milk 6 hours.

See also IDR page 882

TICKILL PLUS, Antrovat AH
Chlorfenvinphos 30,0% m/v, alpha-cypermethrin 3,0% m/v.

DIP/SPRAY G4303
Indications: B: Controls ticks and biting and sucking lice. Aids in the protection against nuisance flies and screw-worm infestations. O: Kills sheep scab mites. Controls itch mites and ticks (including Karoo paralysis ticks), kills lice and keds and aids in the protection against blowfly strike and midge worry. –B, O, 5L

Dosage: For plunge dips, spray race and hand spraying. See literature.

W/T: Meat 7 days.

C/I: Not for use in lactating dairy cows.

P/I: Toxic to fish, bees and wildlife. Do not mix with other dips.

See also IDR page 99

TRIFENDER POUR-ON, Elanco AH
Amitraz 1% m/v, cypermethrin 1% m/v, piperonyl butoxide 2% m/v.

POUR-ON G3971

Indications: Control of ticks. –B. 500ml, 1L, 5L, 10L, 20L

Dosage: 10ml/100kg bm.

W/T: 18 days. Milk 0 days. Not for use on horses.

See also IDR page 347

WOUND-SEPT PLUS, Oberon Pharma (Virbac)
Cypermethrin 0,0125% m/v, dichlorophen 0,015% m/v, chlorocresol 0,5% m/v.

AEROSOL G1521
Indications: Wound treatment. Prevents blowfly strike and contamination of open wounds by flies. –B, Can, Cap, E, O, P. 250g

Dosage: Spray evenly and sparingly over wound from a distance of approximately 20cm. Repeat after 2-3 days if necessary.

See also IDR page 775

ZEROPAR® AEROSOL, Elanco AH
Dichlorophen 1,0% m/v, propetamphos 0,25% m/v, pine oil 2,5% v/v.

AEROSOL G0955
Indications: Kills all blue and multi-host ticks on application. An aid in preventing wound infection in cattle and sheep. Protects against nuisance flies. Kills blowfly maggots. An aid in the healing of wire cuts, castration, dehorning, branding, shearing, tailing, and similar wounds and for the treatment of maggot infestations on cattle and sheep. –O, Cap.

450ml

Dosage: Shake well. After thoroughly cleansing, spray onto the wound and surrounding areas, taking care to cover any remaining blood or exudate that may attract flies. Repeat every 2-3 days or more frequently, if necessary, until the wound is healed.

See also IDR page 350

16.3.2.6 Others

COOPERS® TRIATIX® PLUS POUR-ON, Intervet SA (MSD Animal Health)
Amitraz 2,0% m/v, deltamethrin 0,50% m/v, piperonyl butoxide 2,0% m/v.

POUR-ON G4239
Indications: B: Controls ticks. Controls stable flies, horn flies, cattle louse flies and nuisance flies. Kills lice (biting and sucking) and mange mites. Protects against black flies. O, Cap: Controls Karoo paralysis, bont-legged and red-legged ticks. Game: Controls ticks. –B, O, Cap, Game.

500ml, 1L, 5L, 20L.

Dosage: Ready-to-use pour-on. B: Ticks, flies and lice: 1ml/10kg bm along the backline. Black fly: Apply also to ears and underline. O, Cap: 1 ml/5kg bm. Karoo paralysis ticks: Divide the full dose per animal into 4 equal parts. Apply 1 part onto each axilla and groin region, whilst the animal is turned over in a

sitting position. Bont-legged and red-legged ticks: The dosage should be divided into 3 equal parts and applied to the axilla, groin and anogenital regions. Game: Ticks: 10ml/100kg bm. Apply along the backline, from the shoulder to the root of the tail.

W/T: Meat 7 days. Milk 0 days.

C/I: Do not use on horses and other equidae species. Do not use on calves/lambs <1 month.

P/I: Treat strictly according to bm. Do not contaminate ponds, rivers and other water sources.

See also IDR page 501

EXTINOSAD, Elanco AH
Spinosaad 25g/L.

LIQUID G3826
Indications: Red lice and blowfly maggot eliminator. Protects wounds from blowfly strike. O: Treats and prevents flystrike. –O, Cap.

1L

Dosage: See literature.

W/T: Meat: Jetting of sheep/goats with long wool/hair: 5 days. Plunge dipping sheep/goats with short hair: 0 days. Treatment of flystrike/ wound protection from flystrike: 0 days. Milk: Do not treat animals producing milk for human consumption.

See also IDR page 311

TOPLINE™ POUR-ON FOR CATTLE, Boehringer
Fipronil 10mg/ml, red diazoic dye 0,4mg/ml. Excipients qs 100ml.

POUR-ON G4220
Indications: Treatment and control of infestations of ticks, hornflies, biting and suckling lice. –B.

1L, 5L

Dosage: Topical application at the dose rate of 1ml/10kg bm. Apply by pouring along the backline in a narrow strip extending from the withers to the tailhead. The interval between treatments must be at least 2 months.

W/T: Meat 100 days.

C/I: Do not use in animals producing milk for human consumption. Do not use in pregnant cows or heifers, which are intended to produce milk for human consumption within 3 months of the expected parturition. Do not use on other animal species.

See also IDR page 159

16.3.3. Pigs

BIMECTIN 1% INJECTABLE SOLUTION, Afrivet
Ivermectin 10mg/ml.

INJECTABLE SOLUTION G2878
Indications: B, O: Internal and external antiparasitic remedy. P: Kills mange mites. –B, O, P.

50ml, 100ml, 250ml, 500ml

Dosage: B: 1ml/50kg bm sc. O: 0,5ml/kg bm sc. P: 1,5ml/33kg bm deep iv or sc in the neck.

W/T: B, O: Meat 21 days. P: Meat 28 days.

C/I: Do not use in lactating cattle where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days of calving.

P/I: Treat sows at least 1 week before farrowing. Vacc. cattle against clostridial infections and sheep against pulpy kidney before treatment.

See also IDR page 5

16.3.3.1. Organophosphors and carbamates

COOPERZON® 30, Intervet SA (MSD Animal Health)
Diazinon 30% m/v.

DIP G0821
Indications: Kills sheep scab mites, blowfly maggots, sheep lice and keds, goat lice, goat mange mites, lice on pigs, pig mange mites. Controls ticks present on animal at time of dipping. –O, Cap, P.

500ml, 5L, 20L, 25L

Dosage: See literature for dosage and dilution instructions as well as prevention of post-dipping lameness and lumpy wool.

W/T: Meat 30 days.

See also IDR page 502

DAZZEL NF, Elanco AH
Diazinon 30% m/v.

CONCENTRATE G582
Indications: P: Kills lice and mange mites. –O, Cap, P, Rabbits.

500ml (5/25)L

Dosage: P: 1L/600L water.

C/I: Not for milk goats, poultry or near ducks/geese.

W/T: Meat 30 days.

See also IDR page 299

16.3.3.2. Formamidines

COOPERS® TRIATIX® 12.5 %, Intervet SA (MSD Animal Health)
Amitraz 12,5% m/v.

DIP G4237
Indications: B: Controls ticks. Kills lice and mange mites. O: Treatment and control of sheep scab mites (*Psoroptes ovis*), itch mites, sheep lice (*Bovicola ovis*) & keds. Cap: Treatment and control of mange mites and lice. Ostriches: Controls ticks. –B, O, Cap, Ostriches.

100ml, 200ml, 500ml, 1L, 5L, 20L

Dosage: 1L/500L water. Start with fresh dip at each day's dipping/spraying. See literature.

W/T: B, O: Meat 7 days. Ostriches 14 days.

O: Wool 60 days.

C/I: Do not use on horses. Do not be mix with any other dip.

P/I: Do not dip hot, tired or thirsty animals.

See also IDR page 499

ERADITICK PIG POUR ON, ECO (Afrivet)
Amitraz 2,0% m/v.

LIQUID G4253
Indications: Kills sarcoptic mange mites and lice. –P.

5L

Dosage: 12,5ml/50kg bm. Apply 2 x to the entire herd with a 7-10 day interval. In severe infestations a 3rd dose may be needed 10 days later.

W/T: Meat 7 days.

C/I: Do not use on horses.

See also IDR page 28

16.3.3.3. Macrocyclic lactones

ECOMETIN PIG PREMIX, ECO (Afrivet)
Ivermectin 0,6% m/v.

PREMIX G3860
Indications: Treatment and control of gastrointestinal roundworms and lungworms, lice and mange in adult and growing pigs. –P.

333g, 5kg

Dosage: Growing pigs: Mix with finished feed and feed continuously as only ration for 7 days. Up to 40kg bm: 333g/ton feed. 40-100kg: 400g/ton feed. Adult pigs: 1,67kg/ton feed. Feed at a rate of 1kg/100kg bm for 7 days as part of ration. Avoid contact between treated and untreated pigs for at least 1 week after completion of treatment programme.

W/T: If more than 100kg: Meat 12 days. If less than 100kg: Meat 3 days.

C/I: Do not use for any other species as severe adverse reactions, including fatalities in dogs may occur.

P/I: Extremely dangerous to fish and aquatic life.

See also IDR page 21

16.3.3.4. Combinations

WOUND-SEPT PLUS, Oberon Pharma (Virbac)
Cypermethrin 0,0125% m/v, dichlorophen 0,015% m/v, chlorocresol 0,5% m/v.

AEROSOL G1521
Indications: Wound treatment. Prevents blowfly strike and contamination of open wounds by flies. –B, Can, Cap, E, O, P.

250g

Dosage: Spray evenly and sparingly over wound from a distance of approximately 20cm. Repeat after 2-3 days if necessary.

See also IDR page 775

16.3.4. Cats and dogs

16.3.4.1. Organophosphors and carbamates

BAYOPET® BACDIP® PLUS, Elanco AH
Flumethrin 2% m/v, piperonyl butoxide 10% m/v.

DIP G2029

Indications: Controls ticks on dogs and puppies. Sterilises female ticks. –Can.

100ml

Dosage: Hand treatment: Dilute 2ml/1L water. Use a jug to wet the dog. Do not rinse the dog after treatment. Dip: 100ml/50L. See literature.

C/I: Do not apply more than 1 x/week.

P/I: Toxic to fish, bees and reptiles.

See also IDR page 316

BAYOPET TICK & FLEA COLLARS, Elanco AH
COLLAR FOR CATS G1090
Propoxur 9,4% m/m.

Indications: Controls ticks and fleas. Non-choke, breaks on excess stretching. –F.

Use: Attach loosely around neck.

COLLAR FOR DOGS G524, G523
Propoxur 9,4% m/m.

Indications: Can, Pups: Controls ticks and fleas. Non-choke, breaks on excess stretching. –Can.

Use: Attach loosely around neck.

P/I: Not for sick, convalescing animals.

See also IDR page 283, 284

COOPERS® SUPADIP, Intervet SA (MSD Animal Health)
Chlorfenvinphos 30% m/v.

DIP AND SPRAY G3349
Indications: For the control of ectoparasites. E: Controls ticks. B: Controls ticks, mange and lice. O, Cap: Eradicates lice and keds. Contols ticks. Protects sheep against maggot fly infestation. Can: Controls ticks and fleas. –E, B, O, Cap, Can.

100ml, 500ml, 1L and 5L.

Dosage: 463ml/100 animals. 1L product will replenish sufficient dip wash to dip 216 cattle.

W/T: Meat 14 days. Milk – Do not apply to lactating dairy cows or goats producing milk for human consumption.

C/I: Do not dip calves, lambs, kids or foals <1 month of age. Do not dip nursing bitches or puppies <3 months of age. Do not use on cats or pigs.

P/I: Do not dip hot, tired or thirsty animals. Toxic to fish, insects, birds and other animals.

See also IDR page 497

PULVEX DOG COLLAR, Model Products
Propoxur 94g/kg.

COLLAR G3839
Indications: Controls ticks and fleas. –Can.

660 mm. Adjustable.

Use: Attach loosely around the neck. Trim off excess.

C/I: Cats, dogs that are ill, puppies under 3 months.

PULVEX TICK AND FLEA COLLAR FOR CATS, Model Products
Diazinon 15,8% m/m.

COLLAR G566
Indications: Ticks and fleas. –F.

1 collar

Use: Attach loosely around neck.
P/I: Not for sick/convalescing cats.

SUPONA TICK AND MAGGOT SURFACE AEROSOL, Zoetis
Chlorfenvinphos 0,48% m/m, dichlorphos 0,74% m/m, gentian violet 0,145% m/m.
AEROSOL G0411
Indications: Controls ticks. Kills maggots in wounds. For cuts, abrasions, after dehorning, branding, shearing, tail docking and castration to prevent infections and maggot infestations. –B, Can, Cap, E, O.
385ml
Dosage: Spray on infected areas.
See also IDR page 875

16.3.4.2. Pyrethrins and pyrethroids

BAYOPET BACDIP PLUS, Elanco AH
Flumetrin 2% m/v, piperonyl butoxide 10% m/v.
LIQUID G2029
Indications: Can, Pups: Controls ticks, fleas. –Can, E.
(50)100ml(5L)
Dosage: Hand treat: 2ml: 1L water.
Dip: 100ml: 50L water at weekly intervals.
P/I: Toxic to bees, fish, reptiles.
See also IDR page 282

BAYTICOL, Elanco AH
Flumethrin 2% m/v.
LIQUID G489
Indications: Controls ticks. Reduces screw-worm strikes on tick bite wounds. –B, E, Can, Poultry, Ostriches.
1(5)L
Dosage: Can: 2ml/1L water.
P/I: Toxic to fish, bees, reptiles.
See also IDR page 285

EQUIWORLD FLY REPELLENT FOR HORSES AND DOGS, Stride
Cypermethrin 0,25% m/v, piperonyl butox. 1,25% m/v, plant oils 0,025% m/v, lanolin 1% m/v.
LIQUID G1857
Indications: Protects against house- and stable flies, kills ticks and mosquitoes. –E, Can.
500ml, 1L, 5L, 20L
Dosage: Wipe-on or spray as required.
P/I: Do not breathe spray mist or contaminate food utensils, grazing, drinking water, rivers, dams. Shake before use and wear rubber gloves.
See also IDR page 677

EXPOT SPOT-ON FOR DOGS, Intervet SA (MSD Animal Health)
Permethrin 65% m/v.
LIQUID G2980
Indications: Kills fleas, ticks and flies for more than 4 weeks. For use in dogs and

puppies from 2 weeks of age. –Can.
20 x sachets
Dosage: Part the hair between the shoulder blades and apply the liquid on the skin, and tips of the ears. See literature.
P/I: Not to be used on puppies <2 weeks old.
C/I: Cats.
See also IDR page 522
FLY REPEL FOR DOGS, Medpet
Cypermethrin 0,25% m/v, piperonyl butoxide 1,25% m/v, natural plant oils. 0,25% m/v, lanolin 1,00% m/v.
LIQUID G3048
Indications: For protection against flies. Also kills ticks. –Can.
250ml
Dosage: Wipe or spray on. Do not spray mist around the head and eyes. Dampen a soft cloth and wipe head avoiding eyes.

PULVEX BIRD + CAT POWDER, Model Products
Pyrethrum 0,25% m/m.
POWDER G1237
Indications: Kills ticks, fleas, lice and red mites. –Birds, Can, F.
100g
Use: Dust lightly.

PULVEX DOG SHAMPOO FOR TICKS AND FLEAS, Model Products
Cypermethrin 0,065% m/v.
LIQUID G2994
Indications: Kills ticks and fleas. –Can.
200 (400)ml
Use: Shampoo as directed.

PULVEX PUPPY POWDER, Model Products
Pyrethrum 0,25% m/m.
POWDER G2870
Indications: Kills ticks, fleas and lice. –Can.
100g
Use: Dust lightly and brush out excess.

QUADREPEL, Intervet SA, (MSD Animal Health)
Cypermethrin 0,25% m/v, piperonylbutoxide 1,25% m/v, natural plant oils 0,025% m/v, lanolin 1 000% m/v.
WIPE AND SPRAY-ON G3328
Indications: Protection against house and stable flies. Also kills ticks and mosquitoes. –E, Can.
500ml, 1L, 5L, 20L
Dosage: Wipe on or spray on. See literature.
See also IDR page 628

SHOO-FLY® OINTMENT, Kyron Labs
Permethrin 0,4% m/m, esbiothrin 0,3% m/m, piperonyl butoxide 5% m/m, butylmethoxy-dibenzoylmethane 0,25%.
OINTMENT G2855
Indications: Fly repellent against biting flies, sunscreen. –Can.
50g
Dosage: Apply as often as necessary.
See also IDR page 405

SHOO-FLY® SPRAY, Kyron Labs
Permethrin 1%, esbiothrin 0,35%, piperonyl butoxide 1,5%.
SPRAY G2777
Indications: Fly repellent against biting- and nuisance flies. –Can, E.
250 (750)ml
Dosage: Spray coat or apply with sponge. Avoid eyes.
C/I: Cats.
See also IDR page 405

ULTRUM® PLUS SHAMPOO, Kyron Labs
Permethrin 1%, esbiothrin 0,1%, piperonyl butoxide 1,1%, evening primrose oil, conditioners, lanolin.
SHAMPOO G2770
Indications: Kills fleas and ticks. –Can
250ml (5L)
Dosage: Apply liberally to create good lather, then rinse.
C/I: Cats.
See also IDR page 406

VETS OWN TICK & FLEA DIP, Rucenta
Cypermethrin 0,25% m/v, piperonyl butoxide 1,25% m/v.
DIP G2140
Indications: Controls ticks and fleas. –Can, F.
250ml
Dosage: 100ml/10L water. Stir until a clear solution is obtained. Thoroughly wet the pet by dipping, sponge bathing or rinsing with dip mixture. See literature.
P/I: Toxic to fish, bees and wildlife.

VETS OWN TICK & FLEA POWDER, Rucenta
Cypermethrin 0,2% m/v, piperonyl butoxide 1,0% m/v.
POWDER G2139
Indications: Controls ticks and fleas. –Can, F.
100ml
Dosage: Thoroughly dust pet and work powder into its coat using a brush. Dust every 3-4 days or at shorter intervals if necessary. See literature.
P/I: Toxic to fish, bees and wildlife.

VETS OWN TICK & FLEA SHAMPOO, Rucenta
Cypermethrin 720mg, piperonyl butoxide 3280mg/L. Lanolin, special oils and conditioners 50g/L.
SHAMPOO G2138
Indications: Kills ticks and fleas. –Can, F.
250ml
Dosage: Wash pet thoroughly with lukewarm water. Apply enough shampoo to work good lather on pet. Rinse with clean water. Dry pet with a towel and comb well. See literature.
P/I: Toxic to fish, bees and wildlife.

16.3.4.3. Formamidines

ECTODEX, Intervet SA (MSD Animal Health)
Amitraz 12,5% m/v.
LIQUID G2965

Indications: Controls demodectic mange, sarcoptic mange, ticks and lice. –Can.
100ml
Dosage: Prepare fresh dip for each dipping. Demodectic mange: 40ml:10L lukewarm water. Sarcoptic mange: 20ml:10L lukewarm water. Ticks and lice: 10ml:10L lukewarm water. See literature.
P/I: For dogs only, except for chihuahuas. Not for use on cats. Not for use on dogs suffering from heat stress. Transient drowsiness may be noted at demodectic mange dose – recovery is spontaneous.
See also IDR page 514
PULVEX TICK DIP, Model Products
Amitraz 12,5% m/v.
LIQUID G4023
Indications: Controls ticks and lice. –Can.
50ml
Dosage: 10ml/10L water
C/I: Do not use on horses, cats or dogs suffering from heat stress.

TAKTIC® DIP FOR DOGS, Intervet SA (MSD Animal Health)
Amitraz 12,5% m/v.
DIP G3153
Indications: Controls ticks and lice. –Can.
100ml
Dosage: 10ml/10L lukewarm water. Prepare freshly prior to use. Repeat treatment as necessary. May be used on pregnant and lactating bitches.
C/I: Do not use on Chihuahuas, on dogs suffering from heat stress or cats.
See also IDR page 648

TIXAGON 2 %, Afrivet
Amitraz 2,0% m/v.
STRIPE-ON G3575
Indications: Ready-to-use stripe-on for the control of the yellow dog-tick. –Can.
200ml
Dosage: 2ml/10kg. Treat strictly according to bm. Apply as a stripe-on between the shoulder blades to the base of the tail. Treat 2 x with a 7-day interval and again at 2-weekly intervals. Residual protection of 2 weeks can be expected on dogs treated 2 x with a 7-day interval.
C/I: Do not use on dogs under 6 months old or <8kg. Not for use on cats. Do not use on Chihuahas.
See also IDR page 50

16.3.4.4. Phenylpyrazoles

FIPROTEC, Kyron Vet Rx
SPRAY G3793
Fipronil 0,25g/100ml.
Indications: Treatment and prevention of tick and flea infestation. Aids in the control of allergic dermatitis. –Can.
100ml, 250ml
Dosage: Spray entire body at a distance of 10-20cm. Short-haired animals: 3ml/kg

bm. Long-haired animals: 6ml/kg bm. Do not bath animal 2 days before or 2 days after application. Residual effect: Fleas – 2 months; ticks – 1 month.
SPOT-ON FOR CATS G3795
Fipronil 9,7% m/v.
Indications: Treatment and prevention of flea infestation. An aid in the control of ticks. –F. 1 and 3 pipettes
Dosage: 1 x pipette of 0,5ml/cat up to 8kg bm. Do not bath animal 3 days before or 3 days after application. Residual effect: Fleas up to 5 weeks; ticks up to 2 weeks.
C/I: Do not treat kittens younger than 12 weeks of age.
SPOT-ON FOR DOGS G3794
Fipronil 9,7% m/v.
Indications: Treatment and prevention of tick and flea infestation. Aids in the control of allergic dermatitis. –Can.
1 and 3 pipettes
Dosage: 1 x pipette of 0,67ml/dog up to 10kg bm; 1 x pipette of 0,1,34ml/dog 10-20kg bm; 1 x pipette of 2,68ml/dog 21-40kg bm; 1 x pipette of 4,02ml/dog 40-60kg bm. Do not bath animal 3 days before or 3 days after application. Residual effect: Fleas up to 2 months; ticks up to 1 month.
See also IDR page 427, 428

FRONTLINE PLUS, Boehringer FOR DOGS G2999
Fipronil 10g, (S)-methoprene 9g, butylhydroxianisole 0,02g, butylhydroxitoluene 0,01g, excipient qs/100ml.
Indications: Treatment and prevention of infestation of fleas and ticks. Control of flea allergic dermatitis and sarcoptic mange. –Can.
3(6) pipettes
Dosage: Do not bath animal for 3 days before or 3 days after application. By application onto the skin. Up to 10kg: 1 pipette of 0,67ml/dog. 10-20kg: 1 pipette of 1,34ml/dog. 20-40kg: 1 pipette of 2,68ml/dog. Heavier than 40kg: 1 pipette of 4,02ml/dog. Provides protection against fleas for up to 2 months and against ticks for up to 1 month.
FOR CATS G3000
Fipronil 10g, (S)-methoprene 12g, butylhydroxianisole 0,02g, butylhydroxitoluene 0,01g, excipient qs/100ml.
Indications: Prevention and infestation of fleas and ticks. Control of flea allergic dermatitis. –F.
3(6) pipettes
Dosage: Do not bath animal for 3 days before or 3 days after application. By application onto the skin. Up to 8kg: 1 pipette of 0,5ml/ cat. Provides protection against fleas for up to 5 weeks and against ticks for up to 4 weeks.
C/I: Do not treat puppies and kittens younger than 8 weeks of age.
See also IDR page 115, 116

FRONTLINE SPRAY, Boehringer
Fipronil 0,25% m/m.
SPRAY G2017

Indications: Treats and prevents tick and flea infestation. Protects 3-5 weeks against ticks, 1-3 months against fleas. Aids in the control of sarcoptic mange. –Can, F.
100ml, 250ml, 500ml
Dosage: Spray entire body from a distance of 10-20cm against the lay of the hair. Wet entire coat. See literature.
P/I: Spray: Wear gloves and avoid spraying in eyes. Do not bath or shampoo animal 3 days before or after application.
See also IDR page 37

16.3.4.5. Nitroquanadines

ADVANTAGE, Elanco AH
SPOT ON FOR CATS G2242
Imidacloprid 10% m/v.
Indications: Controls fleas on cats, kittens and rabbits. Kills fleas within 24 hours of treatment and protects against re-infestation for up to 4 weeks in cats and up to 1 week in rabbits. –F, Rabbits.
4 x 0,4ml and 4 x 0,8ml tubes
Dosage: Treat monthly. Kittens, cats and rabbits up to 4kg: 1 x 0,4ml tube. Cats over 4kg: 1 x 0,8ml tube. Rabbits over 4kg: 2 x 0,4ml.
SPOT ON FOR DOGS G2241
Imidacloprid 10% m/v.
Indications: Kills fleas and biting lice on dogs and puppies. Kills fleas and biting lice within 24 hours of treatment and protects against re-infestation for up to 4 weeks. –Can.
4 x 0,4ml, 4 x 1,0ml, 4 x 2,5ml and 4 x 4,0 tubes
Dosage: Treat monthly for optimal control. Up to 4kg: 1 x 0,4ml tube. 4-10kg: 1 x 1,0ml tube. 10-25kg: 1 x 2,5 tube. 25kg and larger: 1 x 4,0ml tube.
See also IDR page 254, 255

16.3.4.6. Macrocyclic lactones

★ REVOLUTION, Zoetis
Selamectin 6%; Selamectin 12% m/v.
SPOT-ON SOLUTION G2819, G2820, G2821
Indications: Can, F: Treatment, control and prevention of flea infestations, control of flea allergy dermatitis, treatment and control of ear mites. Control of ticks. Treatment of lice. Prevention of heartworm. Litter protection in puppies and kittens against flea and nematode infestations after birth. May aid in the control of existing environmental flea infestations in areas to which the animal has access. Can: Treatment and control of sarcoptic mange, intestinal roundworm. F: Treatment of intestinal hookworm and roundworm. –Can, F.
6%: 0,25ml; 0,75ml
12%: 0,25ml; 0,5ml; 1ml; 2ml
Dosage: Apply topically to the skin at the recommended min. dose of 6 mg selamectin/kg bm 1 x per month. See literature for full instructions for use.

C/I: Do not use on puppies or kittens <6 weeks of age.
See also IDR page 859

16.3.4.7. Others

CAPSTAR, Elanco AH
TABLETS FOR CATS AND SMALL DOGS
G2682
Nitenpyram 11,4mg/tablet.
Indications: Fast-acting knockdown of adult fleas. –Small Can, F, 6
TABLETS FOR LARGE DOGS G2679
Nitenpyram 57mg/tablet.
Indications: Fast-acting knockdown of adult fleas. –Large Can.
6
Dosage: Can be admin. to animals from 4 weeks old once a day as needed. 0,5-11kg bm: 1 x 11,4mg tab. 11,1-57kg bm: 1 x 57mg tab. >57,1kg bm: 1 x 57mg tab. + 1 x 11,4mg tab/11kg over 57,1kg bm.
See also IDR page 292

16.3.4.8. Combinations

ADVANTIX, Elanco AH
Imidacloprid 10% m/v, permethrin 50% m/v.
SPOT-ON FOR DOGS G3536
Indications: Topical prevention and treatment of ticks, fleas, flies and mosquitoes on dogs and puppies 7 weeks of age and older. –Can.
4 x 0,4ml; 4 x 1ml, 4 x2,5ml, 4 x 4ml
Dosage: Monthly treatments are required for optimal control. 1 x 0,4ml tube per dog weighing over 1,5kg and up to 4kg. 1 x 1,0ml tube per dog weighing over 4kg and up to 10kg. 1 x 2,5ml tube per dog weighing 10-25kg. 1 x 4ml tube per dog weighing 25-40kg. For dogs >40kg the appropriate combination of tubes should be used.
C/I: Do not use on cats.
See also IDR page 257

ADVOCATE FOR CATS, Elanco AH
Imidacloprid 10% m/v, moxidectin 1% m/v.
SPOT-ON G3665
Indications: Fleas: Kills fleas and prevents infestations for at least 4 weeks. Kills fleas before they can lay eggs. Kills flea larvae in the cat's surroundings. Treatment of mite infestation (*Otodectes cynotis*). Prevention of heartworm disease (L3 and L4 larvae of *Dirofilaria immitis*). Treatment of infections with gastrointestinal nematodes including ascarids and hookworms L4 larvae, immature and adult stages of *Toxocara cati* and *Ancylostoma tubaeforme*).
0,4ml; 0,8ml
Dosage: Can be used on kittens over 9 weeks of age and 1kg in weight. Cats over 1kg and up to 4kg: Use one 0,4ml tube/cat. Over 4kg: Use one 0,8ml tube. Over 8kg: Use the

appropriate combination of tubes. For easy application, the animal should be standing. Part the hair on the cat's neck at the base of the skull until the skin is visible. Place the tip of the tube on the skin and squeeze the tube firmly several times to empty its contents directly onto the skin as a single spot. See literature.
C/I: Do not use in dogs.
See also IDR page 258
ADVOCATE FOR DOGS, Elanco AH
Imidacloprid 10% m/v, moxidectin 2,5% m/v.
SPOT-ON G0979
Indications: Topical prevention and treatment of mixed parasitic infections. Kills fleas and prevents infestations for at least 4 weeks. Kills fleas before they can lay eggs and kills flea larvae in the dog's surroundings. Assists control of flea allergy dermatitis. Treatment of ear mite infestation, sarcoptic mange, demodectic mange. Prevention of heartworm disease. Treatment of infections with GI nematodes. Treats biting lice infestation. Prevention and treatment of spirocercosis. –Can.
0,4ml, 1ml, 2,5ml, 4ml tubes
Dosage: Use on pups over 7 weeks and 1kg bm. 1-4kg bm: 1 x 0,4ml tube. 4-10kg bm: 1 x 1ml tube. 10-25kg bm: 1 x 2,5ml tube. 25-40kg bm: 1 x 4ml tube.
C/I: Do not use on cats.
P/I: Safety during pregnancy and lactation has not been established.
See also IDR page 259

BROADLINE TOP SPOT FOR CATS, Boehringer
Fipronil 83mg, (s)-methoprene 100mg, eprinomectin 4 mg, praziquantel 83mg/ml.
SPOT-ON G4205
Indications: For cats with existing, or at risk from, mixed parasitic infections. Insecticidal activity against adult fleas and lice, notoedric mange, immature and adult ticks and immature fleas. Activity against gastrointestinal nematodes, lungworms and tapeworms and vesical worms. –F.
1, 3, 4 or 6 unit dose applicator
Dosage: Topical application only. 0,3ml/<2,5kg bm; 0,9 ml/2,5-7,5kg bm. See literature.
C/I: Do not use on sick or convalescent animals. Do not use on rabbits.
See also IDR page 108

EXITEL CAT, Intervet SA (MSD Animal Health)
Praziquantel 20mg, pyrantel embonate 230mg.
TABLETS G4508
Indications: For the treatment of cats suffering from mixed infections by gastrointestinal roundworms, hookworms and tapeworms. –Can, F.
C/I: Do not use simultaneously with piperazine compounds. Do not use in kittens <6 weeks of age. Do not use during pregnancy; but may be used during lactation.

Dosage: 1,0-2,0kg bm: ½ tablet. 2,1-4,0kg bm: 1 tablet. 4,1-6,0kg bm: 1½ tablets. 6,1-8,0kg bm: 2 tablets. Repeat treatment at 14-day intervals until 2-3 weeks after weaning. For single oral admin. only. To ensure admin. of a correct dose, bm should be determined as accurately as possible.
See also IDR page 520
EXITEL PLUS, Intervet SA (MSD Animal Health)
Praziquantel 50mg, pyrantel embonate 144mg, febantel 150mg/tablet.
TABLETS G4226
Indications: Treatment of mixed infections by nematodes (ascarids, hookworms, whipworms) and cestodes (tapeworms). –Can. 48
Dosage: 1 tablet/10kg bm. Admin. directly or in food. Deworm puppies every 2 weeks from the age of 2-12 weeks and at regular intervals of 3-6 months thereafter.
C/I: Do not use simultaneously with piperazine compounds. Do not use during the first 4 weeks of pregnancy.
P/I: Tapeworm infestation is unlikely in pups <6 weeks of age.
See also IDR page 520

EXITEL PLUS XL, Intervet SA (MSD Animal Health)
Praziquantel 175mg, pyrantel embonate 504mg, febantel 525mg/tablet.
TABLETS G4227
Indications: Treatment of mixed infections by nematodes (ascarids, hookworms, whipworms) and cestodes (tapeworms). –Can. 20
Dosage: 1 tablet/35kg bm. Admin. directly or in food.
C/I: Do not use simultaneously with piperazine compounds. Do not use during the first 4 weeks of pregnancy.
See also IDR page 521

HEARTGARD PLUS, Boehringer
S: Ivermectin 68mcg, pyrantel pamoate 163mg. M: Ivermectin 136mcg, pyrantel pamoate 326mg. L: Ivermectin 272mcg, pyrantel pamoate 652mg.
CHEWABLES G3430
Indications: Prevention of canine heartworm disease, treatment and control of ascarids. –Can.
6, 12
Dosage: Up to 12kg bm: 1 S chewable. 13-23kg bm: 1 M chewable. 24-45kg bm: 1 L chewable.
C/I: Do not treat dogs under 6 weeks of age. Do not admin. to Collies.
See also IDR page 125

NEXGARD® SPECTRA CHEWABLE TABLETS FOR DOGS, Boehringer
Afoxolaner 1,875% m/m, milbemycin oxime 0,375% m/m.
TABLETS G4351
Indications: For prevention and control of flea, tick and mite infestations, prevention and control of adult roundworms, hookworms,

whipworms, prevention of heartworm infestations and the establishment of adult *Spirocerca lupi* in the oesophagus (with reduction of egg shedding) in dogs. Starts killing fleas about 30 minutes after administration. Kills ticks within about 48 hours after infestation. This product can be used as part of a treatment strategy for Flea Allergy Dermatitis (FAD). For the treatment of demodicosis (caused by *Demodex canis*). For the treatment of mange mites: sarcoptic mange (caused by *Sarcoptes scabiei*) and otodectic mange (caused by *Otodectes cynotis*). –Can.
1, 3, 6
Dosage: Admin. orally at monthly intervals. Do not treat puppies <8 weeks of age and/or dogs <2kg bm. See literature for treatment of infestations and dosing table.
C/I: Do not use in dogs with MDR-1 gene deletion (collie type dogs) as toxicity may occur. Safety has not been established during pregnancy and lactation or in breeding dogs. Not indicated for use against tape worm.
P/I: May cause vomiting and diarrhoea in some dogs. In heartworm endemic areas, test dogs for existing heartworm infestation prior to admin. of Nexgard® Spectra.
See also IDR page 145
SERESTO COLLAR FOR CATS, Elanco AH
Imidacloprid 100mg, flumethrin 45mg/g.
COLLAR G4026
Indications: Controls ticks and fleas on cats up to 8kg and over 10 weeks of age. Repels and kills ticks for up to 8 months. Treatment and prevention of flea infestation for up to 8 months. Treatment and prevention of allergy dermatitis. –F.
1
Dosage: One collar of 38cm/cat weighing up to 8kg to be fastened around neck. Collar must be worn continuously for the 8 month protection period.
See also IDR page 340

SERESTO COLLAR FOR DOGS ≤8KG, Elanco AH
Imidacloprid 100mg, flumethrin 45mg/g.
COLLAR G4026
Indications: Controls ticks, fleas and biting lice on dogs up to 8kg and over 7 weeks of age. Repels and kills ticks for up to 8 months. Treatment and prevention of flea infestation for up to 8 months. Treatment and prevention of allergy dermatitis. –Can.
1
Dosage: One collar of 38 cm/dog weighing up to 8kg to be fastened around neck. Collar must be worn continuously for the 8 month protection period.
See also IDR page 341
SERESTO COLLAR FOR DOGS >8KG, Elanco AH
Imidacloprid 100mg, flumethrin 45mg/g.
COLLAR G4026

Indications: Controls ticks, fleas and biting lice on dogs over 8kg and over 7 weeks of age. Repels and kills ticks for up to 8 months. Treatment and prevention of flea infestation for up to 8 months. Treatment and prevention of allergy dermatitis. –Can.
1
Dosage: One collar of 70 cm/dog weighing over 8kg to be fastened around neck. Collar must be worn continuously for the 8 month protection period.
See also IDR page 342
WOUND-SEPT PLUS, Oberon Pharma (Virbac)
Cypermethrin 0,0125% m/v, dichlorophen 0,015% m/v, chlorocresol 0,5% m/v.
AEROSOL G1521
Indications: Wound treatment. Prevents blowfly strike and contamination of open wounds by flies. –B, Can, Cap, E, O, P.
250g
Dosage: Spray evenly and sparingly over wound from a distance of approximately 20cm. Repeat after 2-3 days if necessary.
See also IDR page 775

16.3.5. Others

16.3.5.1. Organophosphors and carbamates

DAZZEL NF, Elanco AH
Diazinon 30% m/v.
CONCENTRATE G582
Indications: Rabbits: Kills mange mites. –O, Cap, P, Rabbits.
500ml (5;25)L
Dosage: Rabbits: Dip in dilution of 10ml/ 6L water.
C/I: Not for milk goats, poultry or near ducks/geese.
W/T: Meat 30 days.
See also IDR page 299

ECTOMIN 100 EC, Elanco AH
Cypermethrin 100g/L.
DIP & SPRAY G3314
Indications: B: Controls ticks, nuisance flies, biting flies, lice and keds. O, Cap: Controls lice. Poultry: Controls mites. –B, O, Cap, Poultry.
5L, 20L
Dosage: Plunge dips and spray race: 1L/1 000L water. Hand spraying: 10ml/ 10L water.
See also IDR page 307

16.3.5.2. Pyrethrins and pyrethroids

AFRIVET REDLINE®, Afrivet
Flumethrin 1% m/v.
POUR-ON G4245
Indications: Controls ticks on cattle, sheep, ostriches and game. Controls tsetse fly worry

on cattle. Controls feather mite on ostriches. –B, O, Ostriches, Game.
10ml, 40ml, 200ml, 500ml, 1L, 5L, 20L
Dosage: Ready-to-use pour-on. 1ml/10kg bm. See literature for application details. Treat at regular intervals according to tick challenge.
W/T: Meat 7 days.
P/I: Toxic to bees and fish.
See also IDR page 1

AFRIVET REDLINE ACARICIDAL BALLS 5 %, Afrivet
Flumethrin 5%/2,5ml.
BALLS G4228
Indications: For the control of ticks on antelope. Intended to treat animals which have heavy tick infestations or tick damage and which cannot easily be treated by conventional applications, e.g., dip, spray or pour-on. It is not recommended as a regular treatment. –Antelope.
Dosage: Admin. by digital paintball gun. Animals 65-125kg bm: Total control – 1 ball. Animals 125-250kg bm: Total control – 2 balls. Spot treatment – 1 ball. Animals over 250kg bm: 1 ball/125kg or alternatively use 10% ball. The product contains marker dye to identify treated animals.
W/T: Meat 90 days.
C/I: Not for use on animals producing milk for human consumption.
See also IDR page 1

AFRIVET REDLINE ACARICIDAL BALLS 10 %, Afrivet
Flumethrin 10%/2,5ml.
BALLS G4229
Indications: For the control of ticks on antelope. Intended to treat animals which have heavy tick infestations or tick damage and which cannot easily be treated by conventional applications, e.g., dip, spray or pour-on. It is not recommended as a regular treatment. –Antelope.
Dosage: Admin. by digital paintball gun. Animals 125-250kg bm: Total control – 1 ball. Animals 250-500kg bm: Total control – 2 balls. Spot treatment – 1 ball. Animals over 500kg bm: 1 ball/250kg. The product contains marker dye to identify treated animals.
W/T: Meat 90 days.
C/I: Not for use on animals producing milk for human consumption.
See also IDR page 2

BAYTICOL, Elanco AH
Flumethrin 2% m/v.
LIQUID G489
Indications: Poultry: Controls ticks, Northern fowl mite infestation. Ostriches: Controls ticks, feathermite. –B, E, Can, Poultry, Ostriches.
1 (5)L
Dosage: Poultry: 10ml/4L water. Ostriches: 10ml/5L water.
P/I: Toxic to fish, bees, reptiles.
See also IDR page 285

DECATIX® 3, Intervet SA (MSD Animal Health)
Deltamethrin 2,5% m/v.
DIP G1348
Indications: A cattle and ostrich spray. Kills ostrich feather lice. –B, Cap, O, Ostriches. 1L, 5L, 10L
Dosage: Ostriches spray: 100ml/50L water. Spray birds until run-off.
P/I: Toxic to bees, other insects and fish.
See also IDR page 504

DELETE®-X5, Intervet SA (MSD Animal Health)
Deltamethrin 5% m/v.
LIQUID G3279
Indications: Kills ostrich feather lice. –B, O, Cap, Ostriches.
(1, 5)L
Dosage: Use as dip or spray. B: For ticks and flies, 1L/2 000L water. For others see literature.
W/T: O, Cap: Meat 4 days.
P/I: Toxic to bees, other insects and fish. Poisonous by swallowing and inhalation.
See also IDR page 507

DRASTIC DEADLINE, Elanco AH
Flumethrin 1% m/v.
POUR-ON G723
Indications: Game, Ostriches: Tick control. –B, O, Game, Ostriches.
200ml, 500ml, 1L, 6L, 20L
Dosage: 1ml/10kg bm along back-line.
See also IDR page 304

ECTOMIN 100 EC, Elanco AH
Cypermethrin 100g/L.
DIP & SPRAY G3314
Indications: B: Controls ticks, nuisance flies, biting flies, lice and keds. O, Cap: Controls lice. Poultry: Controls mites. –B, O, Cap, Poultry.
5L, 20L
Dosage: Plunge dips and spray race: 1L/1 000L water. Hand spraying: 10ml/10L water.
See also IDR page 307

16.4. Systemic ecto-parasiticides

16.4.1. Ruminants

DORA-VIT +AD,E LA, Antrovect AH
Doramectin 1,0% m/v, vitamins A 3,3% m/v, D3 0,01% m/v, E 5,0% m/v.
INJECTION G4362
Indications: B: Treatment and control of gastrointestinal roundworms, *Parafilaria*, screw-worms and single host ticks. O: Treatment and control of sheep roundworms, sheep scab, nasalworm, blowfly strike and itch mites. –B, O.
50ml, 500ml
Dosage: B & O: 1ml sc/50kg bm.

W/T: B: Meat 35 days. O: Meat 56 days.
C/I: Do not use in animals producing milk for human consumption.
See also IDR page 85
MOXI-JECT 1 % INJECTABLE SOLUTION, Kyron AH
Moxidectin 1% m/v.
INJECTABLE SOLUTION G4107
Indications: For the treatment and control of wire-, brown stomach-, bankrupt-, long-necked bankrupt-, white bankrupt-, hook-, nodular-, large-mouthed bowel-, lung-, whipworm and nasal bot. Controls sheep scab and mites. –O.
500ml
Dosage: 1ml/50kg bm sc.
W/T: Meat 28 days. Animals treated for sheep scab 49 days. Milk – not for human consumption.
P/I: Do not inject iv.
C/I: Do not inject in young, undernourished or emaciated animals.
See also IDR page 450

MOXI-PRO 1 %, Antrovect AH
Moxidectin 1% m/v.
INJECTABLE SOLUTION G4393
Indications: For the treatment and control of roundworms and nasal bot. Kills sheep scab mites and controls itch mites. –O.
500ml
Dosage: 1ml sc/50kg bm. Inject under the loose skin behind the shoulder, under the foreleg or on the inside of the thigh. Sheep scab is a notifiable disease. Admin. 2 x at 1ml sc/50kg bm with an interval of 7 days between treatments.
W/T: Meat 28 days.
C/I: Do not slaughter animals treated for sheep scab and intended for human consumption within 49 days of second treatment. Do not use in animals producing milk for human consumption.
P/I: Vacc. sheep against pulpy kidney disease and black quarter at least 3 weeks before treatment. Do not treat young, undernourished, or emaciated animals. Do not inject iv.
See also IDR page 93

16.4.1.1. Macrocyyclic lactones

CYDECTIN®, Zoetis
0,1% ORAL SOLUTION G2388
Moxidectin 0,1% m/v.
Indications: O: Controls roundworm, nasal bot, itch mites. –O, Ostriches.
5L, 10L
Dosage: 2ml/10kg bm.
INJECTABLE G1463
Moxidectin 1% m/v.
Indications: B: Controls wire-, brown stomach-, cattle bankrupt-, nodular-, hook- and eyeworm. Aids in control of *Parafilaria*. Kills sucking lice, mange mites and controls

blue ticks. O: Controls wire-, brown stomach-, bankrupt-, long-necked bankrupt-, white bankrupt-, hook, nodular-, large-mouthed bowel-, lung-, whipworm, nasal bot. Kills scab mites, sucking lice and controls itch mites. –B, O, Ostriches.
50ml, 500ml
Dosage: 0,1ml/5kg bm sc (cattle), sc or im (sheep).
W/T: Oral solution: Meat 7 days (sheep). Injection: Meat 28 days.
C/I: Animals producing milk for human consumption.
P/I: O: Vacc. against enterotoxaemia before treatment.
See also IDR page 801, 804

CYDECTIN® EWEGUARD WITH SELENIUM AND VIT B12, Zoetis
Moxidectin 5mg/ml, antigens of *Cl. perfringens* type D, *Cl. chavoei*, *Cl. septicum*, *Cl. novyi* type B, *Cl. tetani*, *Corynebacterium pseudotuberculosis-ovis*, selenium 1mg/ml, vitamin B12 1mg/ml.
ANTHELMINTIC/VACCINE G3541
Indications: Vacc. of healthy adult sheep against pulpy kidney, black quarter (quarter evil), malignant oedema, gangrene, tetanus, caseous lymphadenitis and the treatment and control of internal and external parasites as well as for selenium and vitamin B12 supplementation. –O.
500ml
Dosage: 2ml/50kg bm sc. Admin. 2 doses 4-6 weeks apart followed by an annual booster. Admin. in the anterior half of the neck only. See literature.
C/I: Animals <30kg bm, animals vacc. with footrot vacc.
W/T: Meat 28 days.
P/I: Do not inject iv or im. Not for animals producing milk for human consumption.
See also IDR page 803

DECTOMAX, Zoetis
Doramectin 1% m/v.
LA INJECTION G1726
Indications: B: Roundworms, *Parafilaria*, screw-worms, sucking lice, mange mites and single host ticks. O, Cap: Roundworms. P: Roundworms (*Ascaris suum*, *Oesophagostomum dentatum*, *Oesophagostomum quadrispinulatum* and *Trichuris suis*) and lungworms (*Metastrongylus* spp.). It also kills sarcoptic mange mites and lice. –B, O, P, Cap. 20ml, 50ml, 200ml, 500ml
Dosage: B: 1ml/50kg im/sc. O, Cap: 1ml/50kg im/sc or 1,5ml/50kg im/sc for sheep only. P: 1ml/33 kg bm im.
W/T: B, O, Cap: Meat 35 days. P: Meat 28 days.
C/I: Animals producing milk for human consumption.
P/I: Vacc. sheep against enterotoxaemia before treatment.
See also IDR page 810

DOJECT + AD,E LA, Kyron AH
Doramectin 1,0% m/v, vitamins A 3,3% m/v, D3 0,01% m/v, E 5,0% m/v.
INJECTION G 3912
Indications: B: Treatment and control of GI roundworms, *Parafilaria*, screw-worms and single host ticks. O: Treatment and control of sheep roundworms, sheep scab, nasal bot, blowfly strike and itch mites. –B, O.
50ml, 500ml
Dosage: 1ml/50kg bm sc. Inject under the soft skin in the neck, shoulder or into the loin region.
W/T: B: Meat 35 days. O: Meat 56 days.
C/I: Do not use in animals producing milk for human consumption.
See also IDR page 419
DOVERTEC®, Bupo
Doramectin 1%.
LONG-ACTING INJECTABLE SOLUTION G4092
Indications: For the treatment and control of gastro-intestinal roundworms, *Parafilaria*, screw-worms, sucking lice, mange mites and single-host ticks. Vacc. of cattle against broad-spectrum *Clostridium* spp. infections is strongly recommended. –B.
500ml
W/T: Meat 35 days.
C/I: Do not use in cattle producing milk for human consumption.
See also IDR page 172
ECOMECTIN 1 % INJECTION, ECO (Afrivet)
Ivermectin 1% m/v.
INJECTION G2275
Indications: B: Roundworms, screw-worm, *Parafilaria*. O: Roundworms, nasal bot. –B, O, P.
20ml, 50ml, 200ml, 500ml
Dosage: B, O: 1ml/50kg bm/sc.
W/T: B, O: Meat 21 days. P: 28 days.
P/I: Vacc. sheep against enterotoxaemia before treatment. Vacc. cattle against clostridial infections.
C/I: Do not use on dairy cows.
See also IDR page 19
ECOMECTIN SHEEP DRENCH, ECO (Afrivet)
Ivermectin 0,08% m/v.
DRENCH G2630
Indications: Roundworms. –Cap, O.
1L, 5L
Dosage: 2,5ml/10kg bm.
W/T: Meat 14 days.
P/I: Vacc. sheep against enterotoxaemia before treatment. Vacc. cattle against clostridial infections.
C/I: Do not use on dairy cows.
See also IDR page 22
ELIMINATE, Virbac
Abamectin 0,5% m/v.
POUR-ON G3348

Indications: Transdermal internal and external antiparasitic pour-on. –B and antelope.
1L, 5L 20L
Dosage: 1ml/10kg bm. Heavier animals: add 5ml for each 50kg over 650kg.
W/T: Meat 21 days. Milk 21 days.
C/I: Do not treat calves under 50kg.
See also IDR page 709
EPRECIS® 2 %, Ceva AH
Eprinomectin 2,0g/100ml.
INJECTION G4260
Indications: An antiparasitic remedy indicated for the treatment and control of internal and external parasites of beef and dairy cattle, including lactating dairy cows. –B.
50ml, 100ml, 250ml and 500ml
Dosage: 1ml/100kg bm sc only. Inject under loose skin in front of or behind the shoulder as a single injection.
W/T: Meat and offal 12 days. Milk 0 days.
C/I: Do not admin. iv or im.
P/I: May be toxic to aquatic organisms. Do not contaminate streams, rivers or waterways with product or used containers.
See also IDR page 212
IVERMAX + FLUKE, Kyron AH
Ivermectin 1% m/v, clorsulon 10% m/v.
INJECTABLE SOLUTION G4224
Indications: Cattle: For the treatment and control of internal parasites (Roundworms and adult liver fluke with residual activity against the re-infestation of roundworms) and external parasites (*Parafilaria*/false bruising, lice, mange mites, sandtampans, blue ticks, screw-worm and eye worm). –B.
500ml
Dosage: 1ml/50kg bm.
C/I: Do not use in lactating animals where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days before calving.
W/T: Meat 28 days.
P/I: Do not admin. im or iv.
See also IDR page 435
IVERMAX METABOLIC, Kyron AH
Ivermectin 1% m/v, vitamin B12 0,1mg, zinc salt 0,43 mg equivalent to 0,17mg zinc, magnesium salt 6,5 mg equivalent to 1,7mg magnesium, copper salt 0,04 mg equivalent to 0,02mg copper, magnesium hypophosphate 26,7 mg equivalent to 8mg phosphate, potassium iodine 0,3 mg equivalent to 0,07mg potassium, iodine 0,23mg, histidine HCl 4,2mg, valine 4,2mg, arginine HCl 5,1mg, methionine 4,2mg, threonine 5mg, sodium monobasic glutamate 8,4mg, excipients to 1ml/ml.
INJECTABLE SOLUTION G3910
Indications: Antiparasitic remedy with supplements. –B.
500ml
Dosage: 1ml/50kg bm sc under the loose skin in front of or behind the shoulder.

Indications: Transdermal internal and external antiparasitic pour-on. –B and antelope.
1L, 5L 20L
Dosage: 1ml/10kg bm. Heavier animals: add 5ml for each 50kg over 650kg.
W/T: Meat 21 days. Milk 21 days.
C/I: Do not treat calves under 50kg.
See also IDR page 709
EPRECIS® 2 %, Ceva AH
Eprinomectin 2,0g/100ml.
INJECTION G4260
Indications: An antiparasitic remedy indicated for the treatment and control of internal and external parasites of beef and dairy cattle, including lactating dairy cows. –B.
50ml, 100ml, 250ml and 500ml
Dosage: 1ml/100kg bm sc only. Inject under loose skin in front of or behind the shoulder as a single injection.
W/T: Meat and offal 12 days. Milk 0 days.
C/I: Do not admin. iv or im.
P/I: May be toxic to aquatic organisms. Do not contaminate streams, rivers or waterways with product or used containers.
See also IDR page 212
IVERMAX + FLUKE, Kyron AH
Ivermectin 1% m/v, clorsulon 10% m/v.
INJECTABLE SOLUTION G4224
Indications: Cattle: For the treatment and control of internal parasites (Roundworms and adult liver fluke with residual activity against the re-infestation of roundworms) and external parasites (*Parafilaria*/false bruising, lice, mange mites, sandtampans, blue ticks, screw-worm and eye worm). –B.
500ml
Dosage: 1ml/50kg bm.
C/I: Do not use in lactating animals where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days before calving.
W/T: Meat 28 days.
P/I: Do not admin. im or iv.
See also IDR page 435
IVERMAX METABOLIC, Kyron AH
Ivermectin 1% m/v, vitamin B12 0,1mg, zinc salt 0,43 mg equivalent to 0,17mg zinc, magnesium salt 6,5 mg equivalent to 1,7mg magnesium, copper salt 0,04 mg equivalent to 0,02mg copper, magnesium hypophosphate 26,7 mg equivalent to 8mg phosphate, potassium iodine 0,3 mg equivalent to 0,07mg potassium, iodine 0,23mg, histidine HCl 4,2mg, valine 4,2mg, arginine HCl 5,1mg, methionine 4,2mg, threonine 5mg, sodium monobasic glutamate 8,4mg, excipients to 1ml/ml.
INJECTABLE SOLUTION G3910
Indications: Antiparasitic remedy with supplements. –B.
500ml
Dosage: 1ml/50kg bm sc under the loose skin in front of or behind the shoulder.

W/T: Meat 21 days.
C/I: Do not use in dairy cattle within 28 days of calving. Do not use in cattle where milk or milk products are used for human consumption.
See also IDR page 437
IVERMAX SHEEP DRENCH, Kyron AH
Ivermectin 0,08% m/v.
ORAL DRENCH G3579
Indications: Controls roundworms and nasal bot in sheep and goats and itch mite in sheep. –O, Cap.
1L, 5L
Dosage: 2,5ml/10kg bm.
W/T: Meat 14 days. Milk 28 days.
P/I: Vacc. sheep against pulpy kidney disease before admin.
See also IDR page 440
IVOMEC EPRINEX, Boehringer
Eprinomectin 5mg/ml.
POUR-ON G2628
Indications: Controls sucking and biting lice, sarcoptic and chorioptic mites, horn flies. Aids in the control of cattle blue ticks. –B.
1L, 2,5L
Dosage: 1ml/10kg bm. Safe for lactating cows.
W/T: No withdrawal times for meat or milk.
See also IDR page 127
IVOMEC GOLD, Boehringer
Ivermectin 3,15% m/v.
INJECTION G3080
Indications: Controls blue ticks Rhipicephalus (*Boophilus* spp.) on cattle for 75 days. Kills sucking lice, biting lice, mange mites, sandtampans, cattle screw-worms. –B.
500ml, 1L
Dosage: 1ml/50kg bm sc.
W/T: Meat 105 days. Milk 105 days.
C/I: Lactating dairy cows producing milk for human consumption.
P/I: Do not admin. im or iv.
See also IDR page 129
IVOMEC INJECTION, Boehringer
Ivermectin 1% m/v.
INJECTION G2329
Indications: B: Kills sucking-, biting lice, mange mites. Controls screw-worm and blue ticks. O: Controls nasal bot. Kills sheep scab mites. Controls Australian itch mites. P: Controls mange. –B, O, P.
50ml, 200ml, 500ml
Dosage: B: 1ml/50kg bm sc. O: 0,5ml/25kg bm sc.
W/T: Meat 21 days. Milk 28 days.
C/I: Lactating cattle/sheep producing milk for human consumption.
P/I: Do not admin. iv or im. Vacc. cattle against *Clostridium* infections and sheep against enterotoxaemia before treatment.
See also IDR page 130

IVOMEC SUPER INJECTION, Boehringer
Ivermectin 1% m/v, clorsulon 10% m/v.
INJECTION G2629
Indications: B: Controls wire-, brown stomach-, cattle bankrupt-, hook-, nodular-, lung- and adult eyeworm, adult liver- and adult giant liverfluke. Aids in the control of *Parafilaria*. O: Controls wire-, brown stomach-, bankrupt-, hook-, nodular-, large-mouthed bowel-, lung-, immature long-necked bankrupt- and nasal bot. –B, O.
50, 200ml, 500ml
Dosage: B: 1ml/50kg bm sc; O: 0,5ml/25kg bm sc.
W/T: Meat 28 days. Milk 28 days.
P/I: Do not admin. iv or im. Vacc. cattle against black quarter, malignant oedema and sheep against enterotoxaemia before treatment.
See also IDR page 131

IVOTAN, Intervet SA (MSD Animal Health)
Ivermectin 1% m/v.
INJECTION G2858
Indications: B: Kills sucking-, biting lice, mange mites and screw-worm. Controls blue ticks and sandtampan. O: Controls nasal bot. Kills sheep scab mites. Controls itch mites. –B, O, P.
(20;50)500ml
Dosage: B: 1ml/50kg bm sc. O: 0,5ml/25kg bm sc.
C/I: Lactating cattle/sheep producing milk for human consumption.
W/T: B, O: Meat 21 days. Milk 28 days. Pigs: Meat 28 days.
P/I: Do not admin. iv or im. Vacc. cattle against *Clostridium* infections and sheep against enterotoxaemia before treatment.
See also IDR page 542

LANGA MEC, Elangeni AH
Ivermectin 1% m/v.
INJECTION G3500
Indications: B: Kills sucking lice, biting lice and mange mites. Controls sand tampan infesting cattle for up to 3 days after treatment. Kills cattle screw-worms present at the time of infection. Controls blue ticks. O: Kills sheep scab mites and controls Australian itch mites. Oxpecker compatible. –B, O, P.
(10, 50, 500)ml, 1L
Dosage: B: 1ml/50kg bm sc or im.
C/I: Do not use in lactating cattle or sheep or in dairy cattle 28 days before calving where milk or milk products are to be used for human consumption.
W/T: B, O: Meat 21 days. P: Meat 14 days.
P/I: Vacc. sheep against pulpy kidney disease before treatment.

MODERATOR™, Elanco AH
Abamectin 0,5% m/v.
POUR ON G4477
Indications: Transdermal antiparasitic pour-on remedy controls endo- and ectoparasites and aids in the control of multi host ticks. –B, Antelope.
5L
Dosage: 1ml/10kg bm. Apply in a narrow band along the midline of the back from the withers to the base of the tail. Do not treat calves under 50 kg.
W/T: Meat 21 days. Milk 21 days before calving.
P/I: May adversely affect fish and certain water-borne organisms.
See also IDR page 324

PRIVEXIA, Ceva AH
Moxidectin 1g/100ml.
INJECTION G3915
Indications: Treatment and control of internal and external parasites of cattle and sheep with residual activity against certain important roundworms of cattle and sheep as well as blue ticks in cattle. Nasal bot larvae (*Oestrus ovis*): Controls nasal bot larvae, 1st, 2nd and 3rd instar larvae. –B, O.
50ml, 250ml, 500ml
Dosage: 1ml/50kg bm as a single sc injection.
W/T: Meat and offal 42 days.
C/I: Do not use in animals producing milk for human consumption.
P/I: May be toxic to aquatic organisms. Do not contaminate rivers, streams or waterways with product or used containers.
See also IDR page 231

VRIBAMEX LV®, Virbac
Abamectin 0,2% m/v.
SOLUTION G2782
Indications: Controls internal parasites, nasal bot –O, Cap and itch mite. –O. Control of wireworm in Ostriches.
1L, 5L
Dosage: 1ml/10kg bm.
C/I: Not for sheep or goats producing milk for human consumption.
W/T: Meat 14 days. Milk 28 days before start of lactation.
See also IDR page 767

VRIBAMEC® L, Virbac
Ivermectin 1% m/v, clorsuron 10% m/v.
SOLUTION G3269
500ml, 1L
Indications: Roundworms, Liver fluke. –B, O.
Dosage: B: 1ml/50kg bm, im or sc.
O: 1ml/50kg bm, sc.
C/I: Do not use in lactating animals or where milk or milk products are intended for human consumption.
W/T: B, O: Meat 21 days. P: Meat 14 days.
P/I: Vacc. sheep against pulpy kidney disease before treatment.
See also IDR page 769

VRIBAMEC® LA, Virbac
Ivermectin 1% m/v.
INJECTION G2885
Indications: B: Controls roundworms, kills sucking lice, biting lice, warble flies, mange mites, sandtampan, cattle screw-worms, blue ticks. –B, O, P.
(10,50,500)ml, 1L
Dosage: B: 1ml/50kg bm sc or im.
O: 1ml/50kg bm sc. P: 1ml/33kg bm sc or im.
Ostriches: 1ml/50kg bm sc only.
C/I: Do not admin. iv in cattle or sheep or im in sheep.
W/T: Meat 42 days. Milk 42 days.
P/I: Not for use in lactating cattle or sheep where milk/milk products are used for human consumption. Vacc. cattle against clostridial infections and sheep against enterotoxaemia before treatment.
See also IDR page 771

16.4.1.2. Chitin synthesis inhibitors

16.4.2. Pigs

16.4.2.1. Macrocyclic lactones

DECTOMAX, Zoetis
Doramectin 1% m/v.
LA INJECTION G1726
Indications: B: Roundworms, *Parafilaria*, screw-worms, sucking lice, mange mites and single host ticks. O, Cap: Roundworms. P: Roundworms (*Ascaris suum*, *Oesophagostomum dentatum*, *Oesophagostomum quadrispinulatum* and *Trichuris suis*) and lungworms (*Metastrongylus* spp.). It also kills sarcoptic mange mites and lice. –B, O, Cap, P.
20ml, 50ml, 200ml, 500ml
Dosage: B: 1ml/50kg im/sc. O, Cap: 1ml/50kg im/sc or 1,5ml/50kg im/sc for sheep only.
P: 1ml/33kg bm im.
W/T: Cattle, sheep and goats: Meat 35 days. Swine: Meat 28 days.
C/I: Animals producing milk for human consumption.
P/I: Vacc. sheep against enterotoxaemia before treatment.
See also IDR page 810

ECOMECTIN 1 % INJECTION, ECO (Afrivet)
Ivermectin 1%.
INJECTION G2275
Indications: P: Mange mites. –B, O, P.
20 (50; 200; 500)ml
Dosage: 1ml/33kg.
W/T: Meat 28 days.
See also IDR page 19

IVERMAX 1 % INJECTABLE SOLUTION, Kyron AH
Ivermectin 1% m/v.
INJECTION G3582

Indications: Kills mange mites. –P.
50ml, 500ml, 1L
Dosage: 1ml/33kg bm sc.
W/T: Meat 28 days.
C/I: Do not use in cows where milk or milk products are used for human consumption. Do not use in dairy cattle within 28 days of calving.
See also IDR page 431

IVOMEC INJECTION, Boehringer
Ivermectin 1% m/v.
INJECTION G2329
Indications: Kills mange mites in pigs. –B, O, P.
50ml, 200ml, 500ml
Dosage: Pigs: 1ml/33kg bm sc.
W/T: Meat 28 days.
P/I: Do not admin. iv or im.
See also IDR page 130

IVOTAN, Intervet SA (MSD Animal Health)
Ivermectin 1% m/v.
INJECTION G2858
Indications: B: Kills sucking-, biting lice, mange mites and screw-worm. Controls blue ticks and sandtampan. O: Controls nasal bot. Kills sheep scab mites. Controls itch mites. –B, O, P.
(20;50)500ml
Dosage: B: 1ml/50kg bm sc. O: 0,5ml/25kg bm sc.
C/I: Lactating cattle/sheep producing milk for human consumption.
W/T: B, O: Meat 21 days. Milk 28 days. Pigs: Meat 28 days.
P/I: Do not admin. iv or im. Vacc. cattle against *Clostridium* infections and sheep against enterotoxaemia before treatment.
See also IDR page 542

LANGA MEC, Elangeni AH
Ivermectin 1% m/v.
INJECTION G3500
Indications: B: Kills sucking lice, biting lice and mange mites. Controls sand tampan infesting cattle for up to 3 days after treatment. Kills cattle screw-worms present at the time of infection. Controls blue ticks. O: Kills sheep scab mites and controls Australian itch mites. Oxpecker compatible. –B, O, P.
(10, 50, 500)ml, 1L
Dosage: B: 1ml/50kg bm sc or im. O: 0,5ml/25kg bm sc. P: 1,5ml/50kg bm sc or im.
C/I: Do not use in lactating cattle or sheep or in dairy cattle 28 days before calving where milk or milk products are to be used for human consumption.
W/T: B, O: Meat 21 days. P: Meat 14 days.
P/I: Vacc. sheep against pulpy kidney disease before treatment.

VRIBAMEC® LA, Virbac
Ivermectin 1% m/v.
INJECTION G2885
Indications: B: Controls roundworms, kills sucking lice, biting lice, warble flies, mange

mites, sandtampan, cattle screw-worms, blue ticks. –B, O, P.
(10,50,500)ml, 1L
Dosage: B: 1ml/50kg bm sc or im.
O: 1ml/50kg bm sc. P: 1ml/33kg bm sc or im.
Ostriches: 1ml/50kg bm sc only.
C/I: Do not admin. iv in cattle or sheep or im in sheep.
W/T: Meat 42 days. Milk 42 days.
P/I: Not for use in lactating cattle or sheep where milk/milk products are used for human consumption. Vacc. cattle against clostridial infections and sheep against enterotoxaemia before treatment.
See also IDR page 771

16.4.3. Cats and dogs

16.4.3.1. Organophosphors and carbamates

16.4.3.2. Chitin synthesis inhibitors

BRAVECTO® SPOT-ON, Intervet SA (MSD Animal Health)
Fluralaner 280mg/ml.
SPOT-ON G4292
Indications: For the treatment and prevention of tick, flea and mite infestations in dogs and cats. Provides immediate and persistent flea and tick activity for 3 months in cats. In dogs, it provides immediate and persistent tick activity for 4 months and flea activity for 6 months. –Can, F.
1 or 2 pipettes
Dosage: Dogs: Dose between 25-56mg fluralaner/kg bm in dogs. Dose between 40-94mg fluralaner/kg bm in cats within one weight band. See literature.
C/I: In cats, do not use during pregnancy and lactation. Do not use directly on skin lesions. Safety in puppies <8 weeks old and/or dogs weighing <2kg has not been established. Safety in kittens <11 weeks old and/or cats weighing <1,2kg has not been established.
P/I: Do not have contact with the animal or allow children to have contact with the animal until the application site is dry.
See also IDR page 486

PULVEX DOG DIP, Model Products
Cypermethrin 0,20% m/m.
LIQUID G4102
Indications: Kills fleas and *H. elliptica* and aids in the control of *R. sanguineus*. –Can. 50ml
Dosage: Dilute 50ml/10L water. Dip dog and allow to dry. Avoid eye and mouth contact.
C/I: Do not use on cats.

PULVEX DOG POWDER, Model Products
Cypermethrin 0,20% m/m.
POWDER G4089

Indications: Kills fleas and *R. sanguineus* and aids in the control of *H. elliptica*. –Can. 100g, 200g
Dosage: Dust dog and brush out excess. Avoid eye and mouth contact.
C/I: Do not use on cats.

PULVEX TICK & FLEA SPOT, Model Products
Permethrin 65% m/v.
LIQUID G3923
Indications: Kills ticks, fleas and flies for more than 4 weeks. For use on dogs and puppies for 2 weeks of age. –Can. 1 x sachet (2 x 1 sachet)
Dosage: Apply to the skin over the shoulders (and tail-base) and tips of ears.
P/I: Not for use on puppies under 2 weeks.
C/I: Cats.

16.4.3.3. Isoxazolines

BRAVECTO, Intervet SA (MSD Animal Health)
Fluralaner 25-56mg/kg bm.
CHEWABLE TABLETS G4083
Indications: Treatment and prevention of tick and flea infestations. Can be used as part of a treatment strategy for flea allergic dermatitis. –Can.
Dosage: Admin. at or around feeding time for maximum effectiveness. May be mixed with food or given by hand. Admin. at intervals of 12 weeks. 2-4,5kg bm: 112,5 tablet for miniature dogs. >4,5-10kg bm: 250mg tablet for small dogs. >10-20kg bm: 500mg tablet for medium dogs. >20-40kg bm: 1 000mg tablet for large dogs. >40-56kg bm: 1 400mg for X-large dogs.
C/I: Safety in puppies <8 weeks and/or dogs weighing <2kg has not been established.
See also IDR page 481

★ BRAVECTO® SPOT-ON, Intervet SA (MSD Animal Health)
Fluralaner 280mg/ml. Each pipette delivers: Miniature dogs: 112,5mg fluralaner; Small dogs: 250mg fluralaner; Medium dogs: 500mg fluralaner; Large dogs: 1 000mg fluralaner; X-large dogs: 1 400mg fluralaner; Small cats: 112,5mg fluralaner; Medium cats: 250mg fluralaner; Large cats: 500mg fluralaner.
SPOT-ON G4292
Indications: Can, F: Treatment and prevention of tick, flea and mite infestations. Treatment of *Otodectes* spp. mite infestations. Use as part of a treatment strategy for Flea Allergy Dermatitis (FAD). Can: Treatment of demodicosis caused by sarcoptic mange mites. F: Immediate and persistent flea and tick activity for 3 months. Can: Immediate and persistent tick activity for 4 months and flea activity for 6 months. Well tolerated in MDR1 dogs. –Can, F.
1 or 2 pipettes

Dosage: Admin. between 25-56mg/kg bm in dogs and between 40-94mg/kg bm in cats. Directly after treatment, at least 90% of ticks and 95% of fleas on the animals are killed within 8 hours. During the whole treatment interval, at least 90% of ticks and fleas on the animals are killed within 12 hours. Kills adult as well as juvenile ticks. See literature. **C/I:** Safety in puppies <8 weeks old and/or dogs <2kg bm and in kittens <11 weeks old and/or cats <1,2kg bm has not been established. In cats, safety has not been established during pregnancy and lactation. Do not use directly on skin lesions. **P/I:** Dogs can be washed 3 days after treatment. Do not admin. at intervals shorter than 8 weeks.

See also IDR page 486

CREDELIO, Elanco AH
Lotilaner 56,25mg, 112,5mg, 225mg, 450 mg, 900mg.

CHEWABLE TABLETS G4330, G4331, G4332, G4333, G4334
Indications: For the treatment and prevention of flea infestation. For the treatment and control of tick infestation. –Can.

3
Dosage: Admin. monthly with or after food. See literature. Starts killing fleas within 2 hours from admin. Fleas are eliminated after 6 hours. Starts killing ticks within 4 hours. In new infestations fleas are eliminated within 4 hours and ticks within 8 hours throughout the entire month. **C/I:** Safety in breeding, pregnant and lactating dogs has not been established. Use in puppies less than 8 weeks of age of weighing less than 1,3kg bm is not recommended.

See also IDR page 298

NEXGARD™ CHEWABLE TABLETS FOR DOGS, Boehringer
Afoxolaner 2,27% w/w.
TABLETS G4118
Indications: Treatment and prevention of flea, tick and mite infestations of dogs for 1 month following a single admin. Part of a treatment strategy for the control of Flea Allergy Dermatitis (FAD). Treatment of mange mites: demodectic mange, sarcoptic mange and otodectic mange. –Can.

1, 3, 6
Dosage: 2,5mg/kg bm. Starts killing existing fleas 30 minutes after admin.; efficacy achieved by 8 hours.
C/I: Do not use in pregnant and lactating dogs. Do not treat puppies <8 weeks of age and/or dogs <2kg bm.
S/E: May cause vomiting and diarrhoea in some dogs.
P/I: Use with caution in dogs with a history of seizures or neurological disorders.

See also IDR page 144

★ **SIMPARICA, Zoetis**
Sarolaner 5mg; 10mg; 20mg; 40mg; 80mg and 120mg.
CHEWABLE TABLETS: 5mg G4317; 10mg G4322; 20mg G4318; 40mg G4319; 80mg G4320; 120mg G4321
Indications: Treatment of tick infestations on dogs. Has immediate and persistent tick killing activity for at least 5 weeks. For the treatment and prevention of flea infestations on dogs. The product has immediate and persistent flea killing activity against new infestations for 5 weeks. Can be used as part of a treatment strategy for the control of Flea Allergy Dermatitis (FAD). The product kills fleas before they can lay eggs. For the treatment of mite infestations. Fleas and ticks must attach to the host and commence feeding to be exposed to the active substance. For fleas, the onset of effect is within 8 hours of attachment. For ticks, the onset of effect is within 12 hours of attachment.
1, 3, 6 tablets
Dosage: Admin. tablets with or without food. The tablets should not be divided. Admin. at a dose of 2-4 mg/kg bm at monthly intervals. Treatment of Otodectes cynotis infestations, admin. 1 dose for 2 consecutive months. Treatment to be admin. for 2 consecutive months. For the treatment of Demodex canis infestations, admin. 1 dose for 3 consecutive months.
C/I: Treatment of puppies <8 weeks of age and/or dogs weighing <1,3kg should be based on a benefit-risk assessment. Do not treat pregnant and lactating dogs.

See also IDR page 869

16.4.3.4 Others

16.4.4 Poultry

EXZOLT® 10MG/ML ORAL SOLUTION, Intervet SA (MSD Animal Health)
Fluralaner 1ml/mg.
ORAL SOLUTION G4363
Indications: For the treatment and control of poultry red mite (*Dermanyssus gallinae*) and Northern fowl mite (*Ornithonyssus sylviarum*) infestation in pullets, breeders and layers. The onset of efficacy against *Dermanyssus gallinae* is within 4 hours after exposure of the mites to treated chickens. All mites feeding on treated chickens are killed for at least 2 weeks after the first admin. Stops the production of eggs by female mites. –Poultry, 50ml, 1L, 4L
Dosage: For use in drinking water: 0,5ml/kg bm. Admin. 2 x 7 days apart. 1L treats 5 000 chickens of 2kg bm. Admin. full course. See literature.
W/T: Meat and offal 12 days. Eggs 0 days.
P/I: Do not contaminate rivers, dams or any water sources with containers or waste.
See also IDR page 523

17. NUTRITIONAL SUPPLEMENTS

17.1. Vitamins

AD₃E, Kyron AH
Every 1ml contains vitamins A palmitate 500 000iu, D3 75 000iu, E acetate 50iu.
INJECTABLE SOLUTION G3796
Indications: Ready-to-use oily injectable vitamin solution for cattle, sheep, goats and pigs for the treatment of avitaminosis A, D and E as a supplementary therapy in antimicrobial and antiparasitic treatments, convalescence, pregnancy, delivery, stress and pasture fed cattle during drought periods. –B, P, O, Cap.
100ml, 500ml
Dosage: Sc or im. B: adults 2ml/animal; breeding animals: 0,5ml/125kg bm; yearlings: 1ml/animal; weaners: 0,5ml/animal. P: adults 1ml/100kg bm; breeders 0,5ml/100kg bm; young animals 2ml/100kg.
See also IDR page 407

ANTROVITE B-COM, Antrovet AH
Vitamins B1 50mg, B2 7,5mg, B6 10mg, B12 100µg, nicotinamide 100mg, d-panthenol 10mg/ml.
INJECTABLE SOLUTION G4386
Indications: For supportive therapy and/or the treatment of stress and vitamin B deficiencies. –All species.
100ml
Dosage: Im or sc route. Can, F: 0,5ml/kg bm/day. B, E, calves, foals: 5ml/100kg bm/day.
See also IDR page 81

BIO-D® 500, Huvepharma
25-hydroxyvitamin D3 67,9mg/kg.
POWDER V30396
Indications: Nutritional feed additive. –P, Poultry.
25kg
Dosage: Broilers, layers, breeders, and pigs: 500g/ton feed.
See also IDR page 376

EMBAVIT, Lionels
Vitamins A 50 000 000iu, D3 10 000 000iu, E 10 000iu.
LIQUID V21477
Indications: Vitamin supplement. –E, B, O, Cap.
500ml
Dosage: 500ml/2L water. Stir well. Feeds 500 adult sheep or 85 x 300kg cattle.

ENERGYN, Afrivet
Vitamins A 3 000iu/ml, D3 1 500iu/ml, E 10mg/ml.
ORAL GEL V33168
Indications: Reduction of neonatal stress reactions. Foals and piglets: Weak and/or small newborn. –E, P.
100ml

Dosage: For oral use. Repeat the following day for best results. E: 20ml/animal/day. P: 2ml/animal/day.
See also IDR page 24
HEPAVET TABLETS, Medpet
Pangamic acid 12,5mg, thioctic acid 4mg, vitamins B1 0,25mg, B2 0,5mg, B6 0,5mg, B12 3,75 µg, K 0,25mg, E 10mg, biotin 0,025mg, yeast 400g, desiccated liver 350mg.
TABLETS V10959
Indications: Liver supplement and protectant. –Can.
100
Dosage: Small dogs: 1 tablet daily. Medium dogs: 2 tablets daily. Large dogs: 4 tablets daily.

INVIGOR-8, Stride
Thiamine, pyridoxine, folic acid, riboflavin, nicotinamide, pantothenic acid, cyanocobalamin, vitamins A, D3 and E.
LIQUID V16562
Indications: Vitamin supplement. –E.
1L
Dosage: 450kg bm:30ml of Part A and 30ml of Part B daily.
See also IDR page 678

KYROVITE, Kyron Labs
B1 INJECTION G1935
Vitamin B1 100mg/ml.
Indications: Vitamin B1 deficiency, stress. –B, Can, E, F, O, P.
100ml
Dosage: Im/sc. E: 10-20ml. Calves: 5-10ml. P: 5-10ml. Can: 3-5ml. F: 1-3ml.
B12 INJECTION G1936
Vitamin B12 1 000µg/ml.
Indications: Vitamin B12 deficiency, inappetence. –B, E, Can, F.
30ml

Dosage: Im/sc. Can, F: 0,25-1ml. Calves, foals: 0,25-1ml. B, E: 2-4ml.
B CO SUPER INJECTION G1937
Vitamins B1 50mg, B2 7,5mg, B6 10mg, B12 100µg, nicotinamide 100mg, pantothenic acid 10mg.
Indications: High potency vitamin B complex. Supportive therapy, stress, vitamin B deficiency. –B, E, Can, F, O, P.
100ml

Dosage: Im/sc. Can, F: 0,5-2ml. P, O: 5-10ml. B, E: 10-20ml.
C INJECTION G1938
Ascorbic acid 250mg/ml.
Indications: Vitamin C deficiencies. –B, E, Can, F.
100ml
Dosage: Can, F: 0,25-1ml. E: 8-16ml. B: 8-10ml
A-E INJECTION G2142
Vitamins A 500 000iu, E 50iu/ml.
Indications: Vitamin A deficiency. –B.
100ml
Dosage: 1ml/250kg bm deep im every 2-3 months.

K INJECTION G1925
Menadione sodium bisulphite 50mg/ml.
Indications: Hypo-vitaminosis K. –All animals.
30ml
Dosage: B, E, Cap, O, P: Up to 10mg/kg iv. Can, F: 2mg/kg iv.
See also IDR page 400

LIQUID E, Stride
Vitamin E 16,67iu/ml.
LIQUID V16557
Indications: Vitamin E supplement. –E.
1L, 5L, 25L
Dosage: 45-90ml/day depending on age and conditions.
C/I: Do not admin. with iron supplement.
See also IDR page 678

MAXI BCO SUPER, Kyron AH
Vitamins B1 50mg, B2 7,5mg, B6 10mg, B12 100mcg, nicotinamide 100mg, pantothenic acid 10mg.
INJECTABLE SOLUTION G4543
Indications: For the supportive therapy and treatment of stress and B vitamin deficiencies in all animals. –B, O, P, E, C, F.
100ml
Dosage: Im or sc. Dogs and cats: 0,5-2 ml. Pigs and sheep: 5-10ml. Cattle and horses: 20-30ml.
W/T: None.

MULTIVIT, Ceva AH
Vitamins A, B1, B2, B6, B12, C, D3, E, K3, biotin, Ca-d-pantothenate, folic acid, nicotinic acid.
TABLETS V12690
Indications: Vitamin supplement. –B, Cap, E, O, P, Poultry.
5(150)
Dosage: 1 tablet/50L drinking water.
See also IDR page 227

OCEAN GOLD, Elanco AH
Fish oil with natural vit A 8 000iu, vit D 800iu/ml.
OIL G31
Indications: Vitamin A deficiency. –B, O.
5L
Dosage: Dose every 3 months.
O: 10ml/40kg bm. B: 25ml/100kg bm.
See also IDR page 328

ORAL-VIT-A, Oberon (Antrovet AH)
Vitamins A 500 000iu, E 50iu/ml.
ORAL SOLUTION G1037
Indications: For the prevention and treatment of vitamin A deficiency. –B, O, Cap.
100ml
Dosage: Dilute 20ml with 1L clean drinking water and stir well. Dose 2ml of mixture/10kg bm. Dose animals at the beginning of the dry season and repeat every 3 months if necessary or if green feed is scarce.
See also IDR page 95

PAL'S PARROT TONIC, Medpet
Cyanocobalamin (vit B12) 35mcg/5ml.
LIQUID V21447
Indications: Improves plumage and reduces feather plucking. –Avian.
200ml
Dosage: Admin. 1 teaspoonful daily with water.

PIET SCHOEMAN'S B12 ELIXIR, Medpet
Cyanocobalamin 35µg.
LIQUID V9305
Indications: Vitamin B12 supplement. –Pigeons.
500ml
Dosage: Add 20ml/L drinking water for 3 days prior to race or as required.

PIET SCHOEMAN'S BOOST POWDER, Medpet
Sodium ascorbate (vit C) 70mg, glucose 9930mg.
POWDER V8201
Indications: Vitamin and energy supplement for pigeons. –Pigeons.
1kg
Dosage: 10g/L of water on return from races or training tosses. Dose at least 3 times during breeding season and twice weekly during moult.

PIET SCHOEMAN'S WINNING TONIC, Medpet
Cyanocobalamin 25µg, thiamine 3mg, Ca-pantothenate 0,12mg, nicotin. 2,5mg, riboflavin 1,5mg.
LIQUID V8181
Indications: Vitamin supplement. –Pigeons.
500ml (2,5L)
Dosage: Add 20ml to 1L drinking water at least 4 x weekly.

PRO-VIT A, Virbac
Vitamins A 500 000iu, E 50mg/ml.
LIQUID G2230
Indications: Prevention and treatment of vitamin A deficiency. –B.
100ml
Dosage: B: 1ml/250kg bm deep im. Treat every 2-3 months during dry grazing conditions.

See also IDR page 752
RUCENTA VITAMIN B1, Rucenta
Vit B1 100mg/ml
INJECTION G2258
Indications: Treatment of suspected vitamin B1 deficiencies and as an aid in the treatment of stress. –E, B, P, Can, F.
100ml
Dosage: Use im or sc. E: 10-20ml; P: 5-10ml; Calves: 5-10ml; Can: 3-5ml; F 1-3ml.

RUCENTA VITAMIN B12, Rucenta
Vit B12 1 000µg/ml.
INJECTION G2257

Indications: Treatment of suspected vit B12 and/or associated condition deficiencies. Supportive therapy in cases of inappetence. **Dosage:** Use im or sc. B, E: 2-4ml; Calves, foals: 0.5-1ml; Can, F: 0.25-1ml.

RUCENTA VITAMIN B COMPLEX, Rucenta

Vitamins B1 50mg, B2 7.5mg, B6 10mg, B12 100µg, nicotinamide 100mg, d-Panthenol 10mg/ml. **INJECTION** G2255 **Indications:** For supportive therapy and/or the treatment of stress and vitamin B deficiencies. –E, B, Can, F: 100ml **Dosage:** Use daily by im or sc route. B, E: 5ml/100kg bm; Calves, foals: 5ml/100kg bm; Can, F: 0.5ml/10kg bm.

SPEED-PLUS, Medpet

Vitamins B1 10 000mg, B2 1250mg, B6 20 000mg, B12 500mg, B15 10 000mg, nicotinic acid 1 000mg, L-carnitine 45 000mg/kg. **POWDER** V12801 **Indications:** Mineral and vitamin supplement. –Pigeons. 200g **Dosage:** 5g/5L drinking water. Admin. for 2 days before basketing during shorter races (up to 400km), or 3 days before basketing during longer races.

VIROBAN, Medpet

Mega-vitamin combination. **POWDER** V10689 **Indications:** Stimulates immune system, counteracts stress. Vitamin supplement. –Pigeons, Cage birds. 200 (500)g **Dosage:** 5g/L drinking water for 7 days after antibiotic course.

VIT-A-DEX, Elanco AH

Vitamins A 500 000iu, D3 75 000iu, E 50iu/ml. **INJECTION** G1156 **Indications:** Vitamin A deficiencies. –B: 100ml **Dosage:** Weaners: 0.5ml im. Yearlings: 1ml. Adults: 2ml im. 1 x every 3 months during dry season. **See also IDR page 349**

VITA AD,E, Antrovit AH

Every 1ml contains: Vitamins A palmitate 500 000iu, D3 75 000iu, E acetate 50iu. **INJECTABLE SOLUTION** G3929 **Indications:** Ready-to-use oily injectable vitamin solution for the treatment of avitaminosis A, D and E as a supplementary therapy, especially in antimicrobial and antiparasitary treatments, convalescence, pregnancy, postpartum and stress. Pasture-fed cattle during drought periods. –B: 100ml, 500ml **Dosage:** Admin. sc or im. Adults: 2ml/animal. Breeding: 0.5ml/125kg bm. Yearlings: 1ml/ animal. Weaners: 0.5ml/animal. Repeat every 3 months. **See also IDR page 101**

VIT-A-PLUS, Elanco AH

Vitamins A 500 000iu, E 50iu/ml. **LIQUID** G1119 **Indications:** Vitamin A deficiency. –B, Cap, O: 100ml **Dosage:** Mix with 5L water. Dose 2ml/10kg bm. **See also IDR page 349**

VIT-B-CO, Oberon Pharma (Virbac)

Vitamins B1 20mg, B2 5mg, B12 2µg, nicotinamide 25mg, dexpanthenol 6mg/ml. **INJECTION** G1522 **Indications:** Vitamin B complex deficiency. –B, Can, E, F: 100ml **Dosage:** B, E: 5ml/100kg bm. Calves, foals: 5ml/100kg bm. F: Can: 0.5ml/10kg bm for 5 days. **See also IDR page 773**

VIT-AID VITAMIN A, Formulation Technologies (Afrivet)

Vitamin A 500 000iu, vitamin E 50iu. **INJECTION** G0678 **Indications:** Prevention and treatment of vitamin A deficiency. –B: 100ml **Dosage:** 1ml/250kg bm. Adult cattle 2ml/500kg bm. Weaners: 1ml/250kg bm. Admin. every 3 months. **C/I:** Do not use on horses. **P/I:** Vitamin A is injected im with a 15-18 gauge needle 4-5cm long. **See also IDR page 54**

17.2. Vitamins with minerals and electrolytes

AFRI-VIT STRESS, Afrivet

Betaine 200 000mg, vit C 180 000mg, sodium chloride 150 000mg, vit A 15 000 000iu, vit E 25 000mg, vit D3 2 000 000iu, pantothenic acid 10 000mg, potassium chloride 10 000mg, vit B2 5 000mg, vit K 4 000mg, niacin 2 500mg, vitamin B6 2 000mg, folic acid 500mg, biotin 40mg, vit B12 20mg/kg. **SUPPLEMENT** V31551 **Indications:** A water-soluble electrolyte and vitamin. Can be supplemented into feed or into water over periods of excessive heat. Mortality of day-old-chickens may be reduced by offering water fortified with electrolytes to alleviate heat stress. Signals when poultry are out of their zone of comfort: hyperventilation, loss of appetite, squatting, wing spreading, increase in urine excretion. –Poultry, domestic bird species. 100g sachet **Dosage:** Use during periods of high temperature. Into water: Mix 100g/200L water. Into feed: Mix 100g/100kg feed as a top up. **See also IDR page 3**

ANTROVITE METAPHOS, Antrovit AH

Disodium glycerophosphate 200mg, vit B12 50µg, vit B6 15mg, pantothenic acid 3mg/ml. **INJECTABLE SOLUTION** G4387 **Indications:** Supportive vitamins and phosphorous supplement. –All species. 100ml **Dosage:** Inject animals 1 x daily, if required, via im or sc route. Small animals: 1-5ml. Large animals: 5-25ml. **See also IDR page 81**

AVICAL®, Bupo

Calcium 4 000mg, phosphorus 2 000mg, vitamins A 67 500iu, D3 1 600iu, B12 2mg, sodium 70mg, magnesium 100mg, chelated manganese 2mg, chelated zinc 46mg, chelated copper 5mg. **LIQUID** V30476 **Indications:** Vitamin and mineral supplement. –Poultry. 250ml, 1L, 5L. **Dosage:** 2ml/L drinking water. **See also IDR page 169**

B-CO BOLIC, Kyron AH

Phosphorous 6mg, casein acid (digested) 50mg, selenium 0,01mg, vitamins B12 0,05mg, B1 1mg, B6 0,66mg/ml **INJECTABLE SOLUTION** G4005 **Indications:** To normalise and/or boost metabolism. To aid in recovery after disease. Tonic for phosphorous, selenium and vitamin B deficiencies. Tonic for phosphorous, selenium and vitamin B deficiencies. –E, B, O, Cap, P: 100ml, 500ml **Dosage:** B, O, Cap: iv or sc. E, P: sc only. **See also IDR page 409**

B CO PHOS INJECTION, Antrovit AH

Phosphorous 6mg, casein acid 50mg, selenium 0,01mg, vitamins B12 0,05mg, B1 1mg, B6 0,66mg/ml. **INJECTABLE SOLUTION** G4315 **Indications:** Tonic for phosphorous, selenium and vitamin B deficiencies. To normalise and/or boost metabolism. To aid in the recovery after disease. –E, B, O, Cap, P: 100ml, 500ml **Dosage:** B, O, Cap: Admin. iv or sc. B: 10-25ml. Calves: 5-15ml. O, Cap: 3-5ml. Lambs/kids: 2-3ml. E: Admin. sc. 15-20ml. Ponies: 5-15ml. P: Admin. sc. 5-10ml. Piglets: 3-5ml. In healthy animals half of the above dosage can be given. **See also IDR page 81**

BLOEDSTIM, Medpet

Vit B12, calcium, phosphorus, magnesium, potassium, sodium, chlorine, manganese, zinc, cobalt, iodine, selenium, iron. **SOLUTION** V10043 **Indications:** Vitamin, mineral and iron supplement. –Pigeons, Cage birds. 100ml **Dosage:** 1ml/L drinking water for 1 day every 2 weeks or more often if necessary.

CALCIBIRD, Medpet

Calcium borogluconate 50g, vit D3 25 000iu, magnesium sulphate 2g/L. **LIQUID** V21447 **Indications:** Calcium, vit D3 and magnesium supplement. –Cage birds. 250ml **Dosage:** Individual pigeons or birds: 4 drops (0,2ml) per 100g bm for 10 days continuously, and then 3 x per week as needed. Flock treatment: Add 20ml to 1L of drinking water 3 x per week when pigeons or birds are breeding.

CALFGROW, V-Tech

Zinc bacitracin 4g, lasalocid 4g, vitamins A 2 000 000iu, D 1 000 000iu, E 20 000iu, C 20g, B1 400g, B6 400g, B12 2mcg, biotin 8g, niacin 2g, MSM 200g/L. **LIQUID** V24197 **Indications:** Additional vitamin supplementation for milk fed calves. –B: 5L **Dosage:** Shake well before use. Mix 10ml into calfs milk allocation once daily and mix well. Ensure to discard of left over milk daily. **C/I:** Do not feed excess milk treated with Calfgrow to dogs or cats. Do not feed to equines. **See also IDR page 778**

CATOSAL 10 %, Elanco AH

Butaphosphan 10g, vit B12 5mg/100ml. **(S1) INJECTION** 83/423 **Indications:** Disorders of metabolism, development and nutrition. Tonic. –All animals. 100ml **Dosage:** 0.5-20ml iv, im or sc dosage is determined according to condition and bodymass. See literature. Poultry: in drinking water. Chronic disease: ½ dose every 3-5 days. **See also IDR page 293**

COMBI-MIN CATTLE, Antrovit AH

Vit A 25 000iu, vit E 50iu, copper 4mg, zinc 11mg, selenium 1,25mg, manganese 2,7mg/ml. **INJECTABLE SOLUTION** G4287 **Indications:** Treatment of vitamin and mineral deficiencies. –B: 100ml, 500ml **Dosage:** Shake well before use. B: 1ml sc/50kg bm. Calves: 1ml sc/50kg bm. Cows 2-4 x/year. Bulls 2-3 x/year. Heifers: every 3 months until breeding. Calves: at weaning. Treat 4 weeks prior to calving; 4 weeks prior to breeding or AI; 4 weeks prior to drying off. **C/I:** Do not treat cattle with jaundice. Do not admin. to animals in extreme poor body condition. **See also IDR page 83**

COMBI-MIN SHEEP AND GOATS, Antrovit AH
Vit A 7500iu, vit E 25iu, zinc 11mg, selenium 0,8mg, manganese 2,7mg/ml.

INJECTABLE SOLUTION G4285

Indications: Treatment of vitamin and mineral deficiencies. –O, Cap. 100ml, 500ml **Dosage:** Shake well before use. Rams: 2-4ml sc/50kg bm 3 months before breeding. Ewes: 2-4ml sc/50kg bm 4 weeks before breeding and 4 weeks before lambing. Lambs: 1-2ml sc at weaning and 1-2ml every 3 months thereafter (min. 25kg bm). **C/I:** Do not admin. to animals in extreme poor body condition. **P/I:** Vacc. sheep and goats against clostridial diseases and anthrax at least 3 weeks prior to treatment. **See also IDR page 84**

COMPASS GREEN-LIPPED MUSSEL EXTRACT FOR CATS, BTBE
Green-lipped mussel extract 125mg, yeast 50mg, potassium gluconate 70mg, magnesium stearate 1,9mg, thiamine 28,4mg, microcrystalline cellulose 38,7mg, silicone dioxide 4,1mg, taurine 100mg. **TABLET** V13761 **Indications:** A food supplement providing vitamins and minerals for use as an overall vitality and conditioning agent. –F: 120 tablets **Dosage:** 1 tablet daily with or without food.

COMPASS GREEN-LIPPED MUSSEL EXTRACT FOR DOGS, BTBE

Green-lipped mussel extract 125mg, yeast 50mg, dextrose monohydrate 169,4mg, magnesium stearate 1,9mg, thiamine 1,2mg, ascorbic acid 32,5mg. **TABLET** V13762 **Indications:** A food supplement providing vitamins and minerals for use as an overall vitality and conditioning agent. –Can. 120 tablets **Dosage:** Give orally with or without food as follows: 5-10kg: 1 tablet/day; 11-15kg: 2 tablets/day; 16-20kg: 3 tablets/day; 21-25kg: 4 tablets/day; 26-45kg: 5 tablets/day; 24-65kg: 6 tablets/day.

COMPLEX A&E FOR CATTLE, Kyron AH

Vitamin A 25 000IU, vitamin E 50iu, Se (as Se methionine) 1,25mg, Cu (as Cu EDTA) 4mg, Zn (as Zn EDTA) 11mg, Mn (as Mn EDTA) 2,7mg/ml. **INJECTABLE SOLUTION** G4120 **Indications:** An ideal balanced micro-emulsion of minerals and vitamins for the treatment and prevention of deficiencies. High absorption rate with proven blood- and liver levels. Contains Se methionine with higher bioavailability and lower cytotoxicity. For long-term storage and release of selenium. –B: 100ml, 500ml **Dosage:** Sc only. Calves and adults: 1ml per 50kg bm. Treat as follows: Cows: 2-4 x p.a. Recommendations: 4 weeks prior to calving, breeding, AI, drying off. Bulls: 2-3 x

p.a. Heifers: Every 3 months until breeding. Calves: At weaning. **P/I:** Do not treat cattle with jaundice. Toxicity may occur in non-deficient animals. **See also IDR page 414**

COMPLEX A&E FOR SHEEP AND GOATS, Kyron AH

Vitamin A 7 500iu, vitamin E 25iu, Zn 11mg, Se 0,8mg, Mn 2,7mg/ml. **INJECTABLE SOLUTION** G4119 **Indications:** An ideal balanced micro-emulsion of minerals and vitamins for the treatment and prevention deficiencies. High absorption rate with proven blood- and liver levels. Contains selenium methionine with higher bioavailability and lower cytotoxicity. For long-term storage and release of selenium. –O, Cap. **Dosage:** Sc only. Lambs/kids: 1-2ml for a 25kg lamb/kid. Adults: 2-4ml. Treat as follows: Rams: 2-4ml per 50kg bm 3 months before breeding. Ewes: 2-4ml per 50kg bm 4 weeks before breeding and lambing. Lambs: 1-2ml at weaning and 1-2ml every 3 months thereafter (minimum 25kg live mass). **P/I:** Sheep and goats should be vacc. against clostridial diseases and anthrax at least 3 weeks prior to treatment. **See also IDR page 414**

COMPLEX-AD,E + MINERALS, Kyron AH

Vitamins A 20 000iu, E 10iu, D3 20 000iu, copper 2,54mg, zinc 1,82mg, cobalt 0,15mg, selenium 0,7mg/ml. **INJECTION** G3685 **Indications:** Vitamin and mineral complex. –B: 100ml, 500ml **Dosage:** 1ml/50kg sc. Calves: 5ml/head sc. **See also IDR page 414**

DAIRY-MIN, Afrivet

Vitamins A 50 000iu, E 400iu, copper 150mg, manganese 300mg, selenium 20mg, cobalt 5mg, zinc 500mg, magnesium 500mg/100ml. **ORAL GEL** V24723 **Indications:** Vitamin and mineral supplement for dairy cattle. –B: 5L

Dosage: Apply dose directly to the tongue. Calves: 20ml/50kg bm. Weaners: 60ml/250kg bm. Cows, bulls: 100ml/500kg bm or dilute 3-4ml/10L water daily for 5 days. **See also IDR page 12**

DAIRY-MIN® SUPER, Afrivet

Vitamins A 85 000iu, E 1 200iu, copper 750mg, magnesium 2 500mg, manganese 1 500mg, selenium 100mg, zinc 2 500mg, fulvic acid 780 000mg/L. **ORAL GEL** V30973 **Indications:** Vitamin and mineral supplement. –E, B, O, Cap, P, Poultry, Ostriches, Game. 5L, 25L

Dosage: Water: 10ml/L for 5-7 consecutive days. Orally: 0.5ml/kg bm for 3 consecutive days. See literature.

See also IDR page 13

ELECTROGUARD NF GEL, Afrivet

Sodium chloride 1 300mg, potassium chloride 950mg. Vitamins A 110 000iu, B1 44mg, B2 70mg, B6 90mg, B12 0.44mg, C 500mg, niacin 350mg, pantothenic acid 105mg, folic acid 23mg, biotin 3mg, D3 30 000iu, E 525iu, K3 35mg, calcium 600mg, magnesium 230mg, metabolisable energy 250 KJ/100ml gel.

ORAL GEL V28622

Indications: Water soluble gel to assist in the prevention and treatment of symptoms associated with stress-related conditions such as feed refusal, rumen and lower intestine stasis, dehydration, diarrhoea, adaption constraints, deviant behaviour and disease. –E, B, O, Cap, P, Game, Ostriches. 100ml, 200ml, 250ml, 500ml, 750ml, 1L, 2L, 5L, 10L, 20L, 25L

Dosage: Shake well before use and dose undiluted. Take care to prevent long dosing. Drenching: (0.3-0.4ml/kg mass) for 1-3 days as required. For horses during events, dosages may be divided between competition points (e.g. 80ml/ 500kg/horse/check point). Water application: 3-4ml/L drinking water for 3-5 successive days as required. Or use as recommended by a qualified animal nutritionist or veterinarian.

See also IDR page 24

HEMATOVER® PLUS, Bupo

Sodium cacodylate 3g, ammonium ferric citrate 2g, sodium glycerophosphate 1g, copper gluconate 0.25g, manganese gluconate 0.8g, cobalt acetate 0.05g, tryptophan 0.25g, histidine 0.5g, methionine 1g, nicotinamide 5g, vitamins B1 5g, B6 1g, B2 0.2g, B12 0.0011g.

INJECTION G4284

Indications: Prevention of vitamin, mineral and amino acid deficiency. Rapid recovery from debilitating diseases. –E, B, O, Cap, P, Can, F. 100ml

Dosage: Admin. sc or im. See literature.

See also IDR page 172

HEN FERTILITY TABLETS, Medpet

Tocopheryl acetate (vit E) 150mg, magnesium sulphate 5mg/tablet.

TABLETS V21613

Indications: An aid in stimulating fertility in hens. –Pigeons. 100 tablets

Dosage: 1 tablet to infertile hens for 5 days continuously and then 3 x a week during the breeding season. Use in conjunction with Calcbird.

HORSE POWER VITAMIN MINERAL SUPPLEMENT, Eden Vet

Ca 80g, P 40g, Fe 1g, I 10mg, Zn 1g,mg 5.5g,

Cu 400mg, Co 20mg, Mn 600mg, K 1.6g, Vitamins A 200 000iu, B1 150mg, B2 100mg, B6 75mg, B12 500mcg, D 50 000iu, E 500iu, niacin 200mg, folic acid 25mg, pantothenic acid 150mg/kg.

POWDER V4350

Indications: Conditioner and tonic for growth and development. –E. 3kg, 10kg
Dosage: 50-150g/day depend. size, age. Foals: 50g. Resting horses: 100g. Work horses: 150g.

KYROPHOS METABOLIC-V, Kyron Labs

Sodium glycerophosphate 200mg, vitamins B12 50mcg, B6 12mg, pantothenic acid 3mg. **INJECTION G2040**
Indications: Vitamin and mineral supplement. –All species. 100ml

Dosage: Sc, iv or im: Large animals: 5-25ml. Small animals: 1-5ml 1 x daily.

See also IDR page 339

LIQUID SEEVIT E, Stride

Vitamin E 125g, selenium 500mg/L. **LIQUID V17746**

Indications: Anti-oxidant for improved endurance and performance. Aids recovery, tissue repair processes and immune function. –E. 200ml, 500ml, 1L
Dosage: Adult horse: 10ml 2 x weekly. Pour required dose in 2-3 places on feed and mix in lightly.

See also IDR page 678

METASTIM, (Oberon) Antrovet AH

Sodium glycerophosphate 200mg, vit B6 12.0mg, vit B12 0.05mg/ml.

INJECTION G1537

Indications: Supportive vitamin and phosphorous supplement. –E, B, O, P, Can, F. 100ml

Dosage: 5ml sc or im/100kg bm 1 x daily.

See also IDR page 93

PHARLAP POWDER, Stride

Vitamins A 10 002 000iu, D3 58 900iu, B1 737mg, B2 534mg, B6 393mg, B12 19mg, C 20mg, folic acid 79mg, Cu 699mg, Co 5mg, I 7mg, Se 8mg, niacin 2.46mg, pantothenic acid 1.06g, Fe 3.12g, Zn 3.08g, Mn 3.09g, P 7.22g, Ca 29.36g, Na 18g/kg.

POWDER V16556

Indications: Vitamin, mineral supplement. –E. 1kg, 5kg, 20kg
Dosage: 28-112g daily dependent on age and conditions. See literature.

See also IDR page 679

PHENIX® STRESSPAC FOR POULTRY

AND OSTRICHES, Virbac

Vitamins A 15 000 000iu, E 25 000mg, B2 (riboflavin) 5 000mg, B6 (Pyridoxine) 2 000mg, folic acid 500mg, pantothenic acid 10 000mg, sodium chloride 150 000mg, D3 1 500 000iu,

K 4 000mg, niacin 2 500mg, B12 20mg, biotin 40mg, C 150 000mg, potassium chloride 10 000mg/kg.

POWDER V10025

Indications: An aid in all forms of stress and dehydration resulting in the loss of essential vitamins/minerals. 100g

Dosage: Water application: Mix at a rate of 100g sachet/200L water and make available for 2-6 days. Feed application: 1 x 100g sachet/100kg complete feed. Repeat if necessary.

See also IDR page 745

PHOSAMINE STIMULANS, Elanco AH

Each ml contains sodium glycerophosphate 200mg, vitamins B6 12mg, B12 50µg. Preservative: methylparaben 0.1% m/v. **(S1) INJECTION 83/127**

Indications: Indicated as a nutritional supplement and in deficiencies. 100ml

Dosage: For sc, im and iv injection. Admin. daily until improvement is noted. Small animals: Up to 5ml/day. Large animals: up to 25ml/day.

See also IDR page 334

PREDATOR, V-Tech

Calcium 35g, phosphorus 2.9g, vitamins A 27 500iu, D 2 450iu, E 245mg, C 500mg, B1 12mg, B2 21mg, B6 21mg, B12 100mcg, biotin 750mcg, folic acid 1 750mcg, pantothenic acid 50mcg, niacin 200mg.

POWDER V18003

Indications: Provides essential minerals and vitamins for predators kept and bred in captivity. –Predators.

5kg

Dosage: 30g per 4kg of meat (excluding bone and intestines). Cut deep slices into the meat. Pour powder into the slices and leave to soak for approx. 30 minutes.

See also IDR page 779

REPENSOL, (Oberon) Antrovet AH

Sodium chloride 2.0% m/m, potassium phosphate (dibasic) 2.3% m/m, potassium chloride 2.6% m/m, glucose 90%, citric acid 3.1% m/m, vitamin A 100 000iu.

POWDER G0550

Indications: An aid in the treatment of all forms of scours in farm animals. To prevent dehydration and loss of essential minerals and energy. –E, B, O, P.

4 x 250g

Dosage: Dissolve contents in 4.5L lukewarm water. Make available during and for 1 day after diarrhoea has stopped. Adult B & E: 15-20L through stomach tube or offer instead of drinking water. Calves and foals: 1L every 4 hours or offer from bottle with teat. Pigs (all ages): Offer instead of drinking water. Adult O: Dose 1L every 4 hours through stomach tube. Lambs: 100-250ml every 4 hours from bottle with teat.

See also IDR page 98

RUCENTA PHOS-PLUS, Rucenta
Disodium glycerophosphate 200mg, vit B12 50µg, vit B6 15mg, pantothenic acid 3mg/ml.

INJECTION G2576

Indications: Supportive vitamin and phosphorus supplement. –All species. 100ml

Dosage: Use daily by im or sc route. Small animals: 1-5ml; large animals: 5-25ml.

STRESS CARE L®, Bupo

Vitamins D3 1500 000iu, E 2 500mg, K 1 000mg, B2 2 000mg, B3, 1 000mg, B5 980mg, B6 2 000mg, bio- tin 1g, choline chloride (56% choline) 10g, ammonium hydroxide 50g, lactic acid 20g, propylene glycol 20g, formic acid 10g, propionic acid 35g, citric acid 30g, sodium butyrate 150g, phytase 4g.

LIQUID V25855

Indications: Reduces the impact of stress on production. –P, Poultry, Ostriches. 100ml, 250ml, 1L, 5L, 20L

Dosage: Mix with drinking water. Broilers: 0.5ml/1L water. Layers and breeders: 1ml/1L water. P: 1ml/1L water. Ostriches: 1ml/1L water.

See also IDR page 175

TRANQUIL, Stride

Vitamins B1 100g, B2 23.3g, B6 8.8g, Magnesium 500g/kg.

POWDER V16563

Indications: B-complex and magnesium supplement for nervous and excitable horses. –E.

1.2kg

Dosage: Mix ½ to 1½ scoops powder mixed with evening feed, depending on condition.

See also IDR page 683

VITATON 34, Medpet

Vitamins A 5 000 000iu, D 500 000iu, E 1250iu, B12 2.5mg, C 320mg, thiamine 250mg, riboflavin 250mg, folic acid 50mg, pantothenic acid 2 000mg, niacin 5 000mg, pyridoxine 500mg, Ca 100mg, Cu 10mg.mg 0.004g, Mn 6 000mg, Zn 9 000mg, Co 10mg, I 200mg.

POWDER V4676

Indications: Vitamin and mineral supplement. –Pigeons. 500g

Dosage: 5g/1L water as only drinking water for 40 birds for 1 day/week. Post treatment of disease or moulting season: 10g/1L water as only drinking water for 4 consecutive days for 40 birds.

17.3. Minerals and electrolytes

ANIMIN®, Phibro

Ammonium chloride, magnesium sulphate, calcium sulphate, DDG and cane molasses.

DIETETIC FEED PREMIX V31705

Indications: An ionic mineral complex, formulated to provide effective levels of chloride and sulfur, plus other key macro mineral nutrients such as magnesium and phosphorus, which are necessary for proper negative DCAD ration formulation. A negative DCAD ration has been shown to help stabilize calcium levels in early post-partum dairy cows. 25kg.

Dosage: Feed for a minimum of 21 days prior to calving at a rate between 0.55 and 0.70kg per head daily depending on the desired level of DCAD in the diet. Feed continuously up to calving. Use only in mixed feeds for ruminants. –B, O, Cap.

P/I: Do not feed to animals producing milk for human consumption. See literature.

See also IDR page 667

BACTOFOS®, Bupo

Calcium fosfomycin 20g.

POWDER G4326

Indications: For the treatment of colibacillosis, chronic respiratory disease, coryza, typhosis, fowl cholera, listeriosis, staphylococcal infection, dysentery, diarrhoea, paratyphoid and diseases caused by microorganisms sensitive to fosfomycin and tylosin. –P, Poultry. 1kg, 20kg

Dosage: Poultry: Large operation: 160mg/kg bm. Small operation: Prevention: 5g/10L water. Treatment: 10g/10L water. P: Prevention: 20g/10L water. Treatment: 25g/10L water. Premix: Poultry: 400-600g/ton feed. P: Prevention: 1kg/ton feed. Treatment: 2.5kg/ton feed.

W/T: Poultry: Meat 3 days. Eggs 3 days.

See also IDR page 169

BOVIKALC, Boehringer

Calcium chloride, calcium sulphate, water

BOLUS V22616

Indications: Calcium supplement for dairy cattle. Give in the period around parturition. –B. 4 x 190g boluses

Dosage: 1 bolus/cow prior to or immediately after calving and a 2nd bolus 12 hours later.

C/I: Do not use for the treatment of milk fever.

See also IDR page 107

BOVIKALC DRY, Boehringer

Calcium 19.8%, vit D3 100 000iu/kg, vit E 5000iu/kg, ammonium chloride 10.4%, sodium selenite 12mg/kg.

BOLUS V32657

Indications: Oral anionic mineral supplement. To help reduce milk production in dairy cows at drying off. –B. 4 x 196g boluses

Dosage: Give 2 boluses of at the last milking or 8-12 hours before the last milking. Do not admin. more than 4 boluses/24 hours.

See also IDR page 108

BUPOTOX®, Bupo

Hydrated sodium calcium aluminosilicate. **POWDER V26438**
Indications: For the control and prevention of mycotoxicosis –All species. 1kg, 20kg

Dosage: All species: 1-3kg/ton feed.

See also IDR page 171

BYBOOST KAL-CI-PHOS WITH

EXTRA ZINC, Elanco AH

Calcium 18 000mg, phosphorus 100 000mg, zinc 5 200mg, copper 600mg, magnesium 12 000mg, manganese 2 400mg, sodium 8 600mg, cobalt 20mg.

LIQUID V23204
Indications: Helps address heat stroke or stress in poultry. Can be used for broilers and layers and where egg shell quality or hatchability is an issue. Specially designed supplement for poultry and other farm livestock to maintain skeletal condition and bone mineralisation. Helps lameness in birds. Reduces the post heat stroke and stress induced consequences. –B, O, Cap, P, Poultry, Rabbits, Ostriches. 20L

Dosage: Via fresh drinking water or using dosing unit, trough or drenching – Animal dependent. See literature.

See also IDR page 289

CALBRO FORTE, Kyron AH

Calcium gluconate monohydrate 40.0g, equivalent to 3.57 g elemental calcium, magnesium, glycerophosphate 1.0g, magnesium chloride hexahydrate 3.0g, equivalent to 0.16 g elemental phosphorous, equivalent to 0.48 g elemental magnesium, anhydrous glucose 5.0g, anhydrous caffeine 0.4g/1ml.

INJECTABLE SOLUTION G4349

Indications: Hypocalcaemia and hypomagnesaemia in cattle, sheep, pigs and horses. Ketosis in cattle. –B, O, P, E.

Dosage: Admin. sc, iv or intraperitoneal. In serious cases, admin. slow iv combined with sc. Iv: heat product to body temperature before admin. B, E: 60-100ml, O: 10-20ml, P: 10-30ml, calves and foals: 15-30ml. See literature.

W/T: Meat and milk 0 days.

C/I: In serious cases, the slow iv route is recommended combined with sc route. This ensures a quick initial effect followed by a more sustained effect. It is recommended that the product be gently heated to body temperature before being admin. iv. When injections are admin. by sc route, the dose must be distributed in 3-4 sites. Iv injections must be admin. slowly.

See also IDR page 410

CALGOPHOS, Virbac

Phosphorus 100g, calcium 18g, magnesium 12g, sodium 8.6g, manganese 2 400mg, zinc 2600mg, copper 600mg, cobalt 20mg/L.

LIQUID V18355
Indications: Treatment and control of mineral deficiencies. –B, O, Cap, P, Rabbits, Poultry. 20L
Dosage: Admin. daily by oral route in drinking water or food for 3-5 days. B: 75-100ml. Calves: 25-50ml. O, Cap: 15ml. P: 5ml/20kg. Piglets: 2ml. Lambs, kids: 5-10ml. Poultry: 10ml/L drinking water. Rabbits: 1-2ml/L drinking water.
See also IDR page 689
DEXIRON 200, Virbac
Iron dextran complex 20% m/v.
LIQUID G2813
Indications: Iron deficiency anaemia in piglets and calves. –B, P. 100ml, 200ml
Dosage: Piglets: 1ml/1,5-2,0kg bm im in the neck, just below the ear on the 3rd day of life. Calves: 2-4ml/animal im in the 1st week of life.
P/I: Do not admin. sc or iv.
C/I: Do not admin. iron preparations concomitantly with tetracyclines. Contraindicated if severe liver damage or acute kidney infection.
See also IDR page 704
EMBAMIN T.E., Lionels
Cobalt 10g, iodine 1g, manganese 20g, selenium 5g, zinc 30g/L.
LIQUID V21478
Indications: Oral liquid trace element supplement. –B, O, Cap. 1L
Dosage: 1L/9L water. Stir well. Adult sheep and goats: 10ml. Lambs/kids: 5ml. Adult cattle: up to 50ml. Calves and weaners: up to 20ml. Dose 3-4 x per annum.
FORCERIS, Ceva AH
Toltrazuril 30mg, iron 133,4mg/ml.
SUSPENSION FOR INJECTION G4385
Indications: For the reduction in oocyst excretion and the prevention of clinical signs of coccidiosis caused by *Cystoisospora suis*. For the prevention of iron deficiency anaemia. –P. 100ml, 250ml, 500ml
Dosage: Shake before use. 1,5ml/animal im behind the ear in 1 single injection. Admin. between 24-96 hours after birth. Admin. slowly. Do not repeat treatment. **W/T:** Meat and offal 70 days.
C/I: Do not admin. to piglets suspected to suffer from deficiency of vitamin E and/or selenium.
P/I: Use within 28 days after first opening.
See also IDR page 222
GLEPTOSIL, Ceva AH
Gleptoferron 200mg/ml.
INJECTION G2413
Indications: Prevention and treatment of iron deficiency anaemia. –P. 100ml

Dosage: 1ml im in piglets from 3-7 days of age.
See also IDR page 223
GLUCALMAG, Elanco AH
Calcium borogluconate 25% m/v, dextrose 25% m/v, magnesium hypophosphite 5% m/v.
SOLUTION FOR INFUSION G2978
Indications: For the treatment of milk fever in cattle and sheep and milk fever complicated by acetonæmia and grass staggers in cattle. –B, O. 500ml
Dosage: B: inject up to 500ml by slow iv or sc into the anterior half of the neck or over the ribs. O: Inject 100ml sc into the anterior half of the neck or over the ribs. Massage to facilitate absorption. Repeat after 4-6 hours if necessary.
See also IDR page 313
LECTADE, Zoetis
Sachet A: 19,4g (glycine 31,8% m/m, electrolytes and citric acid 68,2% m/m). Sachet B: 44,6g (dextrose 100% m/m).
POWDER G361
Indications: Rehydration of calves, piglets, lambs, kids, horses. Pregnancy toxæmia in ewes. Electrolyte suppl. working horses. –B, E, O, Cap, P. 12
Dosage: Add sachets A and B to 2L warm water. See literature.
See also IDR page 839
MICROMIN B, Vetvax (Design Biologix)
Chromium 5mg/ml, copper 7,5mg/ml, manganese 10mg/ml, zinc 40mg/ml, selenium 5mg/ml.
INJECTABLE MULTI-MINERAL SUPPLEMENT G4382
Indications: Prevention, maintenance or correction of diagnosed deficiencies of manganese, and/or copper, and/or chromium, and/or zinc and/or selenium which may arise during critical phases of the production or breeding life cycle. –B. 500ml
Dosage: Admin. sc on the side of the neck only. Calves (25-250kg): 1ml/50kg bm. Cattle (>250kg): 1ml/100kg bm.
C/I: Do not use in animals with jaundice.
P/I: Selenium and copper toxicity may occur if selenium and copper levels are not established before use.
MICROMIN O, Vetvax (Design Biologix)
Manganese 10 mg/ml, zinc 40 mg/ml, selenium 3mg/ml.
INJECTABLE MULTI-MINERAL SUPPLEMENT G4384
Indications: For prevention, maintenance or correction of diagnosed deficiencies of manganese, and/or zinc and/or selenium which may arise during critical phases of the production or breeding life cycle. –B, O. 100ml, 500ml

Dosage: B: (>250kg) 1ml sc/100kg bm on the side of the neck. Calves: (25-250kg) 1ml sc/50kg bm. O: 1ml sc/50kg bm.
C/I: Do not use in animals with jaundice.
P/I: Selenium toxicity may occur if selenium levels are not established before use.
MICROMIN O+, Vetvax (Design Biologix)
Copper 5mg/ml, manganese 10mg/ml, zinc 40mg/ml, selenium 3mg/ml.
INJECTABLE MULTI-MINERAL SUPPLEMENT G4383
Indications: Prevention, maintenance or correction of diagnosed deficiencies of manganese, and/or copper, and/or zinc and/or selenium which may arise during critical phases of the production or breeding life cycle. –B, O. 100ml, 500ml
Dosage: B: (>250kg) 1ml sc/100kg bm on the side of the neck. Calves: (25-250kg) 1ml sc/50kg bm. O: 1ml sc/50kg bm.
C/I: Do not use in animals with jaundice.
P/I: Selenium and copper toxicity may occur if selenium and copper levels are not established before use. Consult a veterinarian before use.
MSM, V-Tech
Methyl sulfonyl methane 99,9% pure.
POWDER V14231
Indications: Sulphur supplement. –E, Can. 500g, 1kg
Dosage: 5-10g daily.
See also IDR page 779
MULTIMIN® + SE CATTLE, SHEEP AND ANGORA GOATS, Virbac
Mn 10mg, Zn 40mg, Se 5mg/ml.
INJECTION G1853
Indications: Manganese, zinc and/or selenium deficiency. –B, O, Cap. 100 (500)ml
Dosage: Sc route only. Bulls: 7ml 3 x p.a. Cows: 5ml 4 weeks before breeding, AI, drying off. Calves, heifers: 3ml at weaning. 5ml every 3 months until breeding. Repeat if nec. during rainy season. Rams: 1ml 3-4 months before mating. Ewes: 1ml 4 weeks before mating or lambing. Lambs, kids: 0,5ml at weaning, 1ml every 3 months until breeding.
See also IDR page 735
MULTIMIN® + SE + CU FOR CATTLE, Virbac
Mn 10mg, Zn 40mg, Se 5mg, Cu 15mg/ml.
INJECTION G2144
Indications: Manganese, zinc, selenium and/or copper deficiency. –B. 100 (500)ml multidose
Dosage: Sc route only. Bulls: 7ml 3 x p.a. Cows: 5ml 4 weeks before breeding, AI, drying off. Calves, heifers: 3ml at weaning. 5ml every 3 months until breeding. Repeat if nec. during rainy season.
P/I: Do not use in areas where jaundice occurs. Toxicity may occur in non-deficient animals.
See also IDR page 735

MULTIMIN® + SE + CU + CR FOR CATTLE, Virbac
Mn 10mg, Zn 40mg, Se 5mg, Cu 15mg, Cr 5mg/ml.
INJECTION G3371
Indications: Manganese, zinc, selenium, copper and/or chromium deficiency. –B. 100ml, 500ml
Dosage: Sc route only. Bulls: 7ml 3 x p.a. Cows: 5ml 4 weeks before breeding, AI, drying off. Calves, heifers: 3ml at weaning. 5ml every 3 months until breeding. Repeat if nec. during rainy season.
P/I: Do not use in areas where jaundice occurs.
See also IDR page 736
MULTIMIN® + SE + CU FOR SHEEP AND ANGORA GOATS, Virbac
Mn 10mg, Zn 40mg, Se 3mg, Cu 10mg/ml.
INJECTION G2145
Indications: Manganese, zinc, selenium and/or copper deficiency. –O, Cap. 100ml
Dosage: Sc route only. Rams: 1ml 3-4 months before mating. Ewes: 1ml 4 weeks before mating. 1ml before lambing. Lambs, kids: 0,5ml at weaning. 1ml every 3 months until breeding.
C/I: Lambs and kids under 4 months.
P/I: Do not use in areas where jaundice occurs. All sheep should first be vacc. against pulpy kidney at least 4 weeks prior to treatment.
See also IDR page 737
MULTIMIN® + SE SHEEP AND ANGORA GOATS, Virbac
Zinc 40mg, manganese 10mg, selenium 2,5mg/ml.
SOLUTION G1852
Indications: For the prevention and treatment of deficiency in zinc and/or manganese and/or selenium in sheep and Angora goats. –O, Cap. 100ml, 500ml
Dosage: Inject sheep and Angora goats sc on the area devoid of wool immediately behind the shoulder. Rams: 2ml/50kg bm 3-4 months prior to breeding. Ewes: 1-2ml/50kg bm 4 weeks prior to breeding and lambing. Lambs/angora kids: 1ml at weaning (min. 25kg bm). Thereafter 1,0ml every 3 months until breeding.
P/I: Do not use in any other animals.
See also IDR page 738
NEUTRALYTE LIQUID, Stride
Sodium acid citrate 280g/L.
LIQUID V17042
Indications: A sodium acid supplement for horses. –E. 1L, 5L, 25L
Dosage: Following hard or fast work or racing give 50ml orally.
See also IDR page 679

RECHARGE, Stride
Sodium ions 40,45g, potassium ions 30,36g, chloride ions 63,96g, phosphate ions 23,17g, magnesium ions 3,1g, sulphate ions 12,3g, glucose 260g, glycine 40g.
LIQUID G1574
Indications: An aid in restoring fluid and electrolyte levels depleted by strenuous exercise and sweat loss during e.g. training. –E. 1L, 5L
Dosage: Offer during the 'cooling down' and recovery period after exercise. Light work: 40ml/2L water. Moderate work: 60ml/2L water. Heavy work: 80ml/2L water. (NB. This is isotonic).
P/I: Make available additional fresh drinking water.
See also IDR page 679
REHYDION GEL, Ceva AH
Sodium 11,5g, potassium 4,5g, chloride 8,6g/100ml.
GEL V18954
Indications: For use in calves as an aid in the correction of electrolyte imbalances resulting from digestive disturbances, e.g. diarrhoea. –B. 320ml
Dosage: Dairy calves: Mix 20ml with 1L tepid milk or water. Feed 2L 2 x daily for 2 days or more if necessary.
See also IDR page 232
RIGLY ENDURANCE PASTE, Stride
Sodium 3,30g, potassium 2,13g, chloride 6,99g, magnesium 0,009g, calcium 0,45g/30ml.
PASTE V17770
Indications: Electrolyte supplement. –E. 250g, 500g, 1kg
Dosage: Light training: 30ml/day. Moderate training: 60-90ml/day. Heavy training: 90-120ml/day.
P/I: Ensure clean, fresh drinking water is available after admin. of paste.
See also IDR page 680
SANIBACTER®, Bupo
Copper sulphate 0,125g, formic acid 21,25g, propionic acid 14,7g and ammonium hydroxide 3,75g.
LIQUID V26635
Description: A natural liquid acidity regulator (non-corrosive) which improves the drinking water by reducing the pH in order to minimize the development of microorganisms and preventing biofilm build up in the drinking lines. –P, Poultry, Ostriches. 250ml, 1L, 5L, 20L
Dosage: Mix with drinking water. See literature.
See also IDR page 174
SELOVIN® LA, Elanco AH
Barium selenate 177,5mg supplying elemental selenium 50mg/ml.
INJECTABLE G4160

Indications: For the prevention and treatment of selenium deficiency, ill thrift, white muscle disease and all other selenium-responsive diseases. –B, O. 500ml
Dosage: Shake vigorously prior to and during use. Admin. only by sc, into the anterior half of the neck area. B, O: 1ml/50kg bm. Lambs at weaning: 0,5ml. Sheep: 1-2ml. Calves: 1-2ml. Yearling cattle: 3-5ml. Adult cattle: 6-10ml.
C/I: Do not admin. im.
P/I: Do not use unless a deficiency of selenium has been diagnosed. Do not exceed stated dose, volume or frequency. Avoid all contact with poison. Take care to avoid self-inoculation, as this can cause serious local reaction.
See also IDR page 340
STRESSMIX, Stride
Bicarbonate 116,2g, K 108,5g, Mg 3,9g, Cl 303,4g, Na 240,4g, Citrate 174,9g, S 15,6g.
POWDER V16555
Indications: Mineral electrolyte supplement. Counteracts acidosis. –E. 1kg, 2,5kg, 25kg
Dosage: 30g into feed daily or mixed into drinking water or admin. as a drench.
P/I: Ensure an adequate supply of clean drinking water is accessible at all times during supplementation.
See also IDR page 682
SWEATMIX, Stride
Na 118g, K 209,8g, Mg 9,8g, S 13g, Ca 40,5g, chloride 438,5g/kg.
POWDER V16558
Indications: Mineral, electrolyte supplement. –E. 1kg, 2,5kg, 5kg, 25kg
Dosage: 45g into feed daily, 45g/25L in drinking water, or 90g/5L water in drench solutions.
P/I: Ensure an adequate supply of clean drinking water is accessible at all times during supplementation.
See also IDR page 682
UP-CAL, Antrovat AH
Elemental calcium magnesium 3,57g, glycerophosphate 1,0g, magnesium chloride hexahydrate 3,0g equivalent to 0,16g elemental phosphorus equivalent to 0,48g elemental magnesium anhydrous glucose 5,0g, anhydrous caffeine 0,4g/100ml.
INJECTABLE SOLUTION G4346
Indications: Indicated for hypocalcaemia hypomagnesaemia in cattle, sheep, pigs, and horses as well as for ketosis in cattle. –E, B, O, P. 100ml, 500ml
Dosage: Sc, intra-peritoneal or iv. E, B: 60-100ml. Calves and foals: 15-30ml. O: 10-20ml. P: 10-30ml.
W/T: Meat 0 days. Milk 0 days.
P/I: In serious cases, the slow iv route is recommended combined with sc route.

The iv admin. can produce phlebitis or coagulation in the injection site. If injected very fast, heart arrhythmia and/or bradycardia may result. When the injections are admin. exclusively by sc route, distribute the dose in 3 or 4 sites. Admin. iv injections slowly.
See also IDR page 101

17.4. Vitamins with electrolytes and amino acids

AMINO-B, Stride
Vitamins B1 100mg, B2 25mg, B3 300mg, B6 100mg, B12 5 000ug, pantothenic acid 100mg, folic acid 75mg, choline 50mg, inositol 100mg, methionine 200mg, lysine 200mg, glycine 200mg/5ml.
PASTE V16559
Indications: Amino acid and vitamin B-complex supplement to aid metabolism and red blood cell formation. –E.
250ml
Dosage: 450-500kg: 5ml 2 x weekly. Foals: 1ml/100kg bm 2 x daily. Pre-race: 10ml 4-6 hrs prior to race.
See also IDR page 677

AMINOSTRESS, Medpet
Na 200mg, K 270mg, Cl 400mg, CO3 422mg, vitamins A 2 000iu, D3 600iu, E 0,9iu, B12 10µg, thiamine 3mg, pyridoxine 3mg, choline chloride 500mcg, lysine 500mcg, methionine 500mcg in lactose, moisture content 12%/5g.
POWDER V4677
Indications: Correction of electrolyte imbalance. –Pigeons.
250g
Dosage: 5g/L water for 40 birds as only drinking water after race or exercise.

AMINOVIT-H, Medpet
Lysine 1,175g, methionine 0,437g, vitamins A 1875 000iu, B12 0,125mg, C 1560mg, D 1375iu, E 94iu, thiamine 31mg, riboflavine 250mg, biotin 62mg, folic acid 13mg, Ca-pantothenate 212mg, niacin 2375mg, choline 1 500mg, pyridoxine 81mg, Ca 84,37g, phosphorus 45,43g,mg 0,165g, Na 6,25g, chlorine 6,25g, Fe 1087mg, inositol 5mg, glycine 62mg, Cu 8mg, Mn 44mg, Zn 25mg, Co 4mg, I 20mg/kg.
POWDER V10042
Indications: Amino-acid, vitamin, mineral supplement. –Pigeons, Cage birds.
400g
Dosage: Wet 250g bird feed with 5ml Plume Plus. Sprinkle 5g over feed and feed once/week.

AVIBOOST AQUA-BLOK, Ashcan (Elanco AH)
Nucleotides, amino acids, prebiotics, vitamins, minerals, chelated trace elements.
HYDRATED GEL V23082
Indications: Use to hydrate stressed chicks during transport and holdovers. Use whenever

dehydration stress is anticipated.
–Poultry, ostrich chicks, caged birds.
1kg
Dosage: Place 100g for 100 chicks in shipping or transit box for travelling 2-3 hours. More chick blocks can be used as required depending on holdovers or increased travelling times. Feed at the rate of 1-2g/hatching.
P/I: Do not re-use unfinished Aqua–Bloks.
See also IDR page 269

AVIBOOST POULTRY TONIC WITH NUCLEOTIDES, Ashcan (Elanco AH)
Minerals, vitamins, nucleotides, essential fatty acids, amino acids.
GEL V23083
Indications: To improve hatchability and chick and poul quality, particularly, young flocks. Use when birds come into lay, until they reach peak egg production. During periods of stress. –Poultry, ostriches.
(50ml); 1L; (5L)
Dosage: Via fresh drinking water. Dilute 1L/500L water. Chicks: Day-old for 5 consecutive days. Poult: For 3 days prior to diet change or vacc./drug treatment. Laying birds: To improve fertility and egg size: 2 days every 1-2 weeks. Broilers: Use for first 5 days and again at vacc., diet change and drug treatment.
P/I: Ensure header tank and lines are clean before use.

See also IDR page 270
BIO-DERM FORTE, Stride
Biotin 2g, methionine 60g, choline 45g, inositol 20g, Zn 30g, vitamin E 5 000iu/kg.
POWDER V16560
Indications: Amino acid, vitamin and mineral supplement. Improves and maintains hoof horn integrity in horses. Improves coat and skin conditions. –E, Can, F.
1kg
Dosage: E: 10-15g/day. Can: 5-10g/day. F: 2,5g/day.

See also IDR page 677
BIO-VITA, Medpet
Vitamins A 120 000iu, D3 12 000iu, E 1 500mg, K3 15mg, B12 0,45mg, B6 45mg, C 1200mg, lysine 3 260mg, methionine 22 500mg, thiamine 30mg, riboflav. 60mg, biotin 60mg, folic acid 8mg, pantothenic acid 120mg, niacin 300mg, choline 9 000mg, Ca 38 200mg, phosphorous 25 200mg, Fe 450mg, Cu 52mg, Mn 38mg, Zn 500mg, I 12mg, Se 0,75mg/kg. Ca:P-ratio 1,5:1.
POWDER V10691
Indications: Amino acid, vitamin, mineral supplement. –Can, F.
200 (400)g (5kg)
Dosage: Can: 5g/10kg bm/day. Pups: 2,5g/day. F: 5g/day. Kittens: 2,5g/day.

BOOST, V-Tech
Whey isolate, multidextrin, al-methionine, arginine, L-ascorbic acid, sl alpha tocopherol

acetate, thiamine mononitrate, riboflavin, pyridoxine HCL, vit B12, folic acid, choline chloride, calcium d-pantothenate, nicotinic acid, ginkgo biloba extract.
LIQUID V16503
Indications: Amino acid supplement for convalescing animals. –Can, F.
100ml
Dosage: Admin. daily: Cats: 1-2ml. Small dogs: 1-2ml. Medium dogs: 5-7,5ml. Large dogs: 10-15ml.
C/I: Do not admin. to kittens, puppies and lactating bitches or queens.
See also IDR page 778

BOVI-MIN, Afrivet
Vitamins A 100 000iu, E 100iu, copper 180mg, manganese 340mg, selenium 20mg, zinc 680mg, magnesium 1 000mg, cobalt 5mg, lysine 2 000mg/100ml
ORAL GEL V24721
Indications: Vitamin and mineral supplement. –B.
1L, 5L
Dosage: Apply dose directly to the tongue. Calves: 8ml/50kg bm. Weaners: 25ml/250kg bm. Cows, bulls: 60ml.
See also IDR page 7

BOVI-THRIVE CALF, Antrovat AH (Ashkan)
Per litre: Vitamins A 2 000 000iu, D3 100 000iu, E 14 000mg, B1 2 700mg, B2 1 400mg, B3 1 600mg, B5 2 600mg, B6 2 000mg, B12 6 200mcg, C 1 500mg, folic acid 1 200mg, biotin 3 000mcg, vit K 400mg, iodine 1 000mg, selenium 350mg, cobalt 1 600mg, copper* 5 000mg, manganese* 2 500mg, zinc* 9 000mg, lysine hydrochloride 3 600mg, methionine 4 200mg, amino acids range 2 000mg, essential fatty acids 1 000mg, nucleotides 5 000mg, prebiotics 2 000mg.
*MAAC – metal amino acid chelate. Based on a high energy base.

LIQUID DRENCH V23768
Indications: A liquid drench booster for nutritionally aiding gut health, growth, fertility and good livestock performance for growing calves. Uses nano-technology for max. bioavailability and effect. Can be used in feed, drinking water, drench or top-dressed on feed. –B.
100ml, 500ml, 2L, 10L
Dosage: Shake well before use. Young calves within the first 3-4 weeks with milk, water drench or top dress: 30ml as single feed. Calves 1-3 months: 40ml at 5-6 week intervals. Bucket and machine-reared calves: 5ml in milk for 4 days.
C/I: Do not feed to sheep.
P/I: Do not exceed recommended dosage. Drench carefully to avoid the windpipe.
See also IDR page 81

BOVI-THRIVE CATTLE, Antrovat AH (Ashkan)
Per litre: Vitamins A 2 000 000iu,

D3 100 000iu, E 19 000mg, B1 2 500mg, B2 1 500mg, B3 2 500mg, B5 1 200mg, B6 2 000mg, B12 10 000mcg, C 1 500mg, H 10 000mcg, vit K 400mg, folic acid 1 250mg, iodine 1 000mg, selenium 350mg, cobalt 1 500mg, copper* 4 000mg, manganese* 2 000mg, zinc* 6 000mg, lysine hydrochloride 1 500mg, methionine 2 000mg, amino acids range 1 000mg, essential fatty acids 375mg.
*MAAC – metal amino acid chelate. Based on a high energy base.
LIQUID DRENCH V23767
Indications: A liquid drench booster for nutritionally aiding growth, fertility and good livestock performance for all types and ages of cattle. Ideal for animals standing at AI as well as showing and finishing cattle. Uses nano-technology for max. bioavailability and effect. Can be used in feed, drinking water, drench or top-dressed on feed. –B.
100ml, 2L, 10L
Dosage: Shake well before use. 45ml-100ml once off feeds depending on weight of animal. See literature.
C/I: Do not feed to sheep.
P/I: Do not exceed recommended dosage. Drench carefully to avoid the windpipe.
See also IDR page 82

BYBOOST CALF, Elanco AH
Per L: Vitamins A 2 000 000iu, D3 100 000iu, E 14 000mg, B1 2 700mg, B2 1 400mg, B3 1 600mg, B5 2 600mg, B6 2 000mg, B12 6 200mcg, C 1 500mg, K 400mg, folic acid 1 200mg, biotin 3 000mcg, iodine 1 000mg, selenium 350mg, cobalt 1 600mg, copper 5 000mg, manganese 2 500mg, zinc 9 000mg, lysine HCl 3 600mg, methionine 4 200mg, amino acids range 2 000mg, essential fatty acids 1 000mg, nucleotides 5 000mg, prebiotics 2 000mg.
LIQUID DRENCH V23791
Indications: Drench booster for growing calves. –B.
5L
Dosage: Shake well before use. Young calves within the first 3-4 weeks with milk, water drench or top dress: 30ml as single feed. Calves 1-3 months: 40ml at 5-6 week intervals. Bucket and machine-reared calves: 5ml in milk for 4 days.
C/I: Do not feed to sheep.
See also IDR page 288

BYBOOST CATTLE, Elanco AH
Per L: Vitamins A 2 000 000iu, D3 100 000iu, E 19 000mg, B1 2 500mg, B2 1 500mg, B3 2 500mg, B5 1 200mg, B6 2 000mg, B12 10 000mcg, C 1 500mg, H 10 000mcg, K 400mg, folic acid 1 250mg, iodine 1 000mg, selenium 350mg, cobalt 1 500mg, copper 4 000mg, manganese 2 000mg, zinc 6 000mg, lysine hydrochloride 1 500mg, methionine 2 000mg, amino acids range 1 000mg, essential fatty acids 375mg.
LIQUID DRENCH V23790
Indications: A liquid drench for all types and ages of cattle. Can be used in feed, drinking

water, drench or top-dressed on feed. –B.
5L
Dosage: Animal dependent. See literature.
See also IDR page 289

BYBOOST KICK START, Elanco AH
Per L: Vitamins A 500 000iu, D3 75 000iu, E 8 000mg, B1 2 000mg, B2 500mg, B3 1 375mg, B 5 625mg, B6 625mg, B12 50 000mcg, H 1 000mcg, C 500mg, K 200mg, folic acid 625mg, iodine 500mg, selenium 150mg, cobalt 675mg, copper 750mg, manganese 1 000mg, zinc 3 000mg, lysine HCL 1 000mg, methionine 1 500mg, amino acids range 1 050mg, essential fatty acids 500mg, nucleotides 3 000mg, prebiotics 4 000mg.
LIQUID DRENCH V27858
Indications: Nutritional and energy booster. Helps optimise growth potential. Helps management of gut health and immunity. For weaker and smaller animals when weaning. – Piglets, lambs, kids, calves, small game.
5L
Dosage: Shake well before use. Piglets: 1-2ml/day/piglet for 5 days orally. Repeat if necessary. Other animals: 1-2ml/2kg bm for 4-5 days and as required.
See also IDR page 289

BYBOOST LAMB AND KID, Elanco AH
Per L: Vitamins A 1 000 000iu, D3 150 000iu, E 16 000mg, B1 4 000mg, B2 1 000mg, B3 2 750mg, B5 1 250mg, B6 1 250mg, B12 100 000mcg, C 1 000mg, H 2 000mcg, on a high energy base. Vit K 400mg, folic acid 1 250mg, iodine 1 000mg, selenium 300mg, cobalt 1 350mg, manganese 2 000mg, zinc 6 000mg, lysine hydrochloride 2 000mg, methionine 3 000mg, amino acids range 2 100mg, essential fatty acids 1 000mg, prebiotics 8 000mg, nucleotides 6 000mg.
LIQUID DRENCH V24520
Indications: A liquid drench booster for nutritionally aiding growth, fertility and good livestock performance. –O.
1L, 5L
Dosage: Can be used in feed, drinking water, milk, drench or top-dressed on feed. Young lambs/kids: 2,5ml; Lambs and kids: 5ml at marking or vacc. or first worming. All lamb kids: 10ml at 3 months or weaning, repeat every 3-4 weeks if required. Hogs and ram lambs: 10ml repeat every 3-4 months or whenever handled. Drench carefully to avoid the windpipe.

P/I: Do not exceed recommended dosage. Drench carefully to avoid the wind pipe.
See also IDR page 290
BYBOOST LAMB AND KID + COPPER (CU), Elanco AH
Per L: Vitamins A 1 000 000iu, D3 150 000iu, E (as a tocopherol acetate) 16 000mg, B1 4 000 mg, B2 1 000mg, B3 2 750mg,

B5 (cal. pantothenate) 1 250mg, B6 1 250mg, B12 100 000mcg, C 1 000mg, H (biotin) 2 000mcg, on a high-energy base, vit K 400mg, folic acid 1 250mg, iodine 1 000mg, selenium 300mg, cobalt 1 350mg, copper* 1 500mg, manganese* 2 000mg, zinc* 6 000mg, lysine hydrochloride 2 000mg, methionine 3 000mg, amino acids range 2 100mg, essential fatty acids 1 000mg, prebiotics 8 000mg, nucleotides 6 000 mg. Contains copper. *MAAC – metal amino acid chelate.
LIQUID DRENCH V23796
Indications: A booster for nutritionally aiding growth, fertility and good performance. –O.
20L
Dosage: Can be used in feed, drinking water, milk, drench or top dressed on feed. Young lambs/kids: 2,5ml; Lambs and kids: 5ml at marking or vacc. or first worming. All lamb kids: 10ml at 3 months or weaning, repeat every 3-4 weeks if required. Hogs and ram lambs: 10ml repeat every 3-4 months or whenever handled. Drench carefully to avoid the windpipe.
C/I: Do not feed to sheep susceptible to copper poisoning.
P/I: Do not exceed recommended dosage. Drench carefully to avoid the wind pipe.
See also IDR page 290

BYBOOST ROTA-PASTE, Elanco AH
Per kg: Active egg proteins 220 000mg, amino acids profile 10 000mg, vitamins A 100 000iu, D3 60 000iu, E 1 600mg, B12 135 000mcg, copper 280mg, iron 400mg, manganese 60mg, selenium 6mg, zinc 560mg.
PASTE V27859
Indications: A nutritional complementary feed containing high levels of active egg proteins, prebiotics, nucleotides, vitamins, chelated trace elements for rearing neonate animals for the first critical days of life. See literature. –B, O, Cap, E, small animals such as dogs.
30ml
Dosage: Orally admin. onto the back of the animal's tongue within 12 hours of birth. Feed additional dose if required. Ensure drinking water is always available. Calves: 30g; lambs and goat kids: 15g; foals: 30g; small animals such as dogs: 10g.

See also IDR page 291
BYBOOST SCOUR-EX, Elanco AH
Natural muco-polysaccharides, prebiotics, bicarbonate salt, citrate salt, sodium salt, potassium salt, nucleotides, glutamine, vit A 250 000iu/kg, vit E 40 000mg/kg, zinc 2 000mg/kg, copper 200mg/kg.
POWDER V23798
Indications: A replenishing, dietetic feeding stuff, designed to assist in the management of water, electrolytes and essential minerals

during nutritional stress in cattle, pigs, horses, sheep and other farm animals. –E, B, O, Cap, P.
50g, 20 x 50g

Dosage: Immediately before feeding, dilute 50g (1 sachet) into 1L of clean warm water or milk and feed to the animal via a stomach tube, bottle or teat and if required, once again later in the day. Do not feed more than two doses per animal. Animal dependent. See literature.
See also IDR page 291

BYBOOST SHEEP AND GOATS, Elanco AH

Vitamins A 1 000 000iu, D3 152 000iu, E 15 000mg, B1 2 700mg, B2 1 000mg, B3 3 500mg, B5 1 250mg, B6 1 250mg, B12 13 000, C 1 000mg, H 3 750 mcg on a high energy base. Vit K 410mg, folic acid 1 250mg, iodine 1 000mg, selenium 300mg, cobalt 1 350mg, manganese 2 000mg, zinc 6 000mg, lysine hydrochloride 2 200mg, methionine 3 500mg, amino acids range 2 100mg, essential fatty acids.
LIQUID DRENCH V23792
Indications: A liquid drench booster for nutritionally aiding growth, fertility and good livestock performance. –O, Cap, P, 5L
Dosage: Can be used in feed, drinking water, milk, drench or top-dressed on feed. Animal dependent. See literature.
See also IDR page 291

BYBOOST SHEEP AND GOATS + COPPER, Elanco AH

Vitamins A 1 000 000iu, D3 152 000iu, E 15 000mg, B1 2 700mg, B2 1 000mg, B3 3 500mg, B5 1 250mg, B6 1 250mg, B12 13 000mcg, C 1 000mg, H 3 750 mcg on a high energy base. Vit K 410mg, folic acid 1 250mg, iodine 1 000mg, selenium 300mg, cobalt 1 350mg, copper 3 400mg, manganese 2 000mg, zinc 6 000mg, lysine hydrochloride 2 200mg, methionine 3 500mg, amino acids range 2 100mg, essential fatty acids 1 500mg.
LIQUID DRENCH V23793
Indications: A booster for nutritionally aiding growth, fertility and good livestock performance. –O, Cap, P, 5L
Dosage: Can be used in feed, drinking water, milk, drench or top-dressed. Animal dependent. See literature.
C/I: Do not feed to sheep susceptible to copper poisoning.
See also IDR page 292

CA-DOG, Medpet

Ca 330mg, phosphor. 200mg,mg 10mg, Fe 15mg, vitamins A 1 500iu, D 150iu, E 5mg, C 100mg, yeast 1,5g/5g, Ca:P ratio 1,65:1.
POWDER V10464
Indications: Vitamin and mineral supplement. –Can. 250 (500)g

yeast, betaine, prebiotic, threonine, glutamine.
Indications: Maintains digestive health. –E. 1,5kg, 3kg, 9kg
Dosage: Top dress feed with 3 scoops 2 x daily for 1st week, then 3 scoops 1 x daily.
See also IDR page 677

ESBILAC, Medpet

Vegetable oil, casein, whey protein concentrate, butter fat, dried skimmed milk, egg yolk, monocalcium phosphate, lactose. Calcium carbonate, L-arginine, lecithin, DL-methionine, potassium chloride, choline chloride, potassium phosphate monobasic, magnesium carbonate, salt potassium phosphate dibasic, magnesium sulfate, vit E supplement, zinc sulfate dipotassium phosphate, silico aluminate, ferrous sulfate, vit B12 supplement, calcium pantothenate, ascorbic acid, copper sulphate, niacin supplement, vit A supplement, manganese sulfate, vit D3 supplement, ethylenediamine dihydrochloride, folic acid, riboflavin, thiamine hydrochloride, pyridoxine hydrochloride, biotin and mono and diglycerides. The calorie content (ME) is 0,90 kcal/ml (calculated) when powder is reconstructed at 1:2.
POWDER V14289
Indications: Milk replacer for puppies. Food supplement for dogs. –Can. 2,27kg
Dosage: Warm reconstructed Esbilac to room or body temperature. Feed puppies 2 TS per 125g bm daily. Divide daily amount into equal portions for each feeding. Small/weak puppies to be fed 3-4 hourly. Larger puppies 8 hourly. See literature.

HEMATOVER® PLUS, Bupo

Sodium cacodylate 3g, ammonium ferric citrate 2g, sodium glycerophosphate 1g, copper gluconate 0,25g, manganese gluconate 0,8g, cobalt acetate 0,05g, tryptophan 0,25g, histidine 0,5g, methionine 1g, nicotinamide 5g, vitamins B1 5g, B6 1g, B2 0,2g, B12 0,0011g/100ml.
INJECTION G4284
Indications: Prevention of vitamin, mineral and amino acid deficiency. Rapid recovery from debilitating diseases. –E, B, O, Cap, P, Can, F. 100ml
Dosage: Admin. sc or im. B, E: 10-20ml every 24 hours. Calves, foals: 5-10ml every 4-5 days. P: 2-10kg bm: 1ml every 2 days. 11-20kg bm: 2ml every 2 days. 21-50kg bm: 5ml every 2 days. 50+ kg bm: 10ml every 2 days. Cap, O: 5ml every 2 days. Can, F: 1 ml/5kg bm every 4-5 days.
P/I: May cause allergic reactions in vitamin-B12-sensitive equines.
See also IDR page 172

KYROLIGO, Kyron Labs

Vitamins A 50 000iu, B1 10mg, B6 2mg, E 4mg, D3 25 000iu, B2 0,04mg, B12 0,01mg, Ca-panthoth.2mg, inositol 2mg, ZnSO4 0,1mg,

CoSO4 0,02mg, Choline chloride 2,36mg, nicotinamide 5mg, methionine 5mg, MnSO4 0,1mg, CuSO4 0,1mg, mgCl2 0,78mg/ml. Preservative: methylparaben 0,1% m/v.
INJECTION G3087
Indications: Supplementation in animals with nutritional needs. It may also be used in healthy animals to ensure normal development. No withdrawal period is necessary. –All species. 100ml glass vials
Dosage: By deep im only. Therapeutic dose: Rep. once weekly. Preventative: Rep. monthly. B, E: 8-20ml. Calves/Foals: 4-8ml. Can, F: 0,5-2ml. P: 5-8ml. Sows (pregnant or lactating): 25ml, Piglets: 1-2ml
Warnings: Do not overdose. Do not admin. iv.
See also IDR page 399

KYROVITAL-15, Kyron Labs

Vitamins B12 150mcg, ferric ammonium citrate 15mg, B2 10mg, B6 10mg, nicotinamide 100mg, d-panthanol 15mg, cobalt sulphate 0,43mg, copper gluconate 0,2mg, choline chloride 10mg, biotin 10mcg, inositol 10mg, dl-methionine 20mg, lysine HCl 20mg, glycine 20mg/ml.
INJECTION V20909
Indications: Nutritional supplement containing amino acids, B vitamins, iron, copper and cobalt. –E. 100ml
Dosage: 10ml/450kg bm iv/im. 10ml can also be added to any iv solution.
See also IDR page 399

MEDILYTE, Medpet

Na+ 7415mEq, K+ 775mEq,mg2+ 1383mEq, Ca2+ 1083mEq, Cl 5705mEq, lactate 1116mEq, sulfate2+ 1383mEq, citrate 2441 mEq, lysine 3666mg, methionine 666mg, cysteine 333mg, threonine 250mg, tryptofane 250mg, histidine 666mg, tyrosine 250mg, leucine 258mg, isoleucine 500mg, arginine 3749mg, phenylalanine 1 500mg, valine 2083mg/kg.
POWDER V16680
Indications: Electrolytes and amino acids for racing pigeons and cage birds. –Pigeons, Cage birds. 250g
Dosage: Add 2 x 5g heaped measures to 1L drinking water or 4 x 5g heaped measures to 1kg food.

MILKO-PUP, Kyron Labs

Vitamins, minerals, fat and protein.
POWDER V10323
Indications: Milk substitute for puppies; nutritional supplement. –Can. 250g (5kg)
Dosage: See label.
See also IDR page 400

MINO MAX, V-Tech

Vitamins A (Retinol) 10 000 000iu, D3 1 000 000iu, E 40g, K3 2g, B1 2.5g, B2 7g, B3 25g, B6 3g, folic acid 0,8g, calcium

pantothenate 10g, H 0,05g, B12 0,02g, C 50g, lecithin 20g, L-carnitine 2g, choline 4g, valine 30g, L-lysine 70g, dl-methionine 55g, L-alanine 30g, L-arginine 26g, L-aspartic acid 49g, L-cystine 2.4g, L-glutamine 68g, glycine 18g, L-histidine 11,5g, isoleucine 27g, L-leucine 40g, phenylalanine 27g, proline 20g, serine 32g, dl-threonine 23g, L-tryptophan 7g, tyrosine 19g.
POWDER V22590
Indications: To manage and prevent mineral and amino acid deficiencies in wildlife. –Game.
Dosage: Mix 100g in 200L drinking water. Mix 100g in 100L of drinking water for animals in poor condition. Ensure to discard of drinking water dosed with Mino Max after 48 hours as the amino acids might go rancid after this time.
See also IDR page 779

MULTIVITAMIN+, Columbomed
Hexamethylenetetramine 4g, vitamins A 60 000iu, D 1 500iu, E 60iu, B1 6mg, B2 15mg, B6 6mg, C 150mg, B12 0,03mg, pantothenic acid 30mg, folic acid 1,5mg, methionine 200mg, L(+)-lysine monochloride 100mg, choline hydrogentartrate 700mg/8,0g.

WS POWDER G1816
Indications: Detoxification, regeneration after heavy muscle strain. –Pigeons. 10 sachets
Dosage: 1 sachet/4-6L water for 1-2 days.
C/I: Not for pigeons intended for human consumption.

OPTIBOOST, Virbac

Vitamins: Ascorbic acid 50 000mg, E w/s 40 000mg, A 20 000 000iu, D3 2 000 000iu, B3 20 000mg, calcium d-pantothenate 10 000mg, B2 (riboflavin) 7 000mg, choline 4 000mg, B6 (pyridoxine) 3 500mg, B1 (thiamin) 2 500mg, K3 2 000mg, B9 (folic acid) 1 000mg, B7 (biotin) 50mg, B12 20mg. Amino acids: lysine 46 000mg, methionine 40 000mg, glycine 30 000mg, threonine 10 000mg, arginine 4 000mg, leucine 4 000mg, isoleucine 2 500mg, tryptophan 2 000mg, valine 2 000mg, cysteine 1 000mg. Others: dextrose 535mg, lecithin 20 000mg, sodium butyrate 5 000mg, carnitine 2 000mg.

VITAMIN AND AMINO ACID SUPPLEMENT V32497
Indications: A supplement to combat the effects of stress, poor feed quality as well as assisting animals in recovering from illness. –B, Cap, P, Poultry, Racing pigeons, Ostriches, Game and E. 100g sachet, 10 x 100g sachets, 100 x 100g sachets, 1kg
Dosage: Mix 100g/200L drinking water. For animals in poor condition mix 100g/100L drinking water. Complete feed: 1kg/1 ton complete feed.
See also IDR page 742

OVI-MIN, Afrivet
Vitamins A 50 000iu, D 2 500iu, E 100iu, manganese 200mg, selenium 20mg, zinc 600mg, magnesium 1 000mg, cobalt 15mg, lysine 2 000mg/100ml.
ORAL GEL V24722
Indications: Vitamin and mineral supplement. –O, Cap. 500ml, 1L, 5L, 25L
Dosage: Apply dose directly to the tongue. Lambs: 8-19ml. Adult sheep: 20-25ml or dilute 6ml/10L water daily for 5 days. Ostriches: 3ml/10kg. Horses: 2ml/10kg.
See also IDR page 45

OVI-MIN + CU, Afrivet

Vitamins A 50 000iu, D 2 500iu, E 500iu, manganese 200mg, selenium 20mg, zinc 600mg, magnesium 1 000mg, cobalt 15mg, lysine 2 000mg, copper 100mg.
ORAL GEL V26349
Indications: Vitamin and mineral supplement for sheep and goats. Provides essential organic trace minerals, magnesium, copper, amino acid and fat-soluble vitamins to assist in fertility, immunity and growth. –O, Cap. 5L, 25 L
Dosage: Shake well before use. Apply carefully to prevent lung injury. Application directly to tongue. Undiluted application: Lambs/kids over 25kg: 8-10ml. (direct oral admin). Adult sheep/goats: 20-25ml or dilute 60ml per 100L water daily for 5 days. Protect dilution from fresh water inflow.
C/I: This product contains copper and should only be used after veterinary confirmation of deficiency. Do not use in areas where liver-related problems occur.
P/I: All animals must be vacc. for pulpy kidney at least 4 weeks before use.
See also IDR page 45

OVI-THRIVE LAMB AND KID, Antrovat AH (Ashkan)

Per litre: Vitamins A 1 000 000iu, D3 150 000iu, E 16 000mg, B1 4 000mg, B2 1 000mg, B3 2 750mg, B5 1 250mg, B6 1 250mg, B12 100 000mcg, C 1 000mg, H 2 000mcg, folic acid 1 250mg, on a high energy base. Vit K 400mg, iodine 1 000mg, selenium 300mg, cobalt 1 350mg, manganese* 2 000mg, zinc* 6 000mg, lysine hydrochloride 2 000mg, methionine 3 000mg, amino acids range 2 100mg, essential fatty acids 1 000mg, prebiotics 8 000mg, nucleotides 6 000mg.
*MAAC – metal amino acid chelate. Based on a high energy base.
LIQUID DRENCH V24510
Indications: A liquid drench booster for nutritionally aiding gut health, growth, fertility and good livestock performance. Uses nano-technology for max. bioavailability and effect. Can be used in feed, drinking water, drench or top-dressed on feed. –O, Cap. 100ml, 500ml, 2L, 10L

Dosage: Shake well before use. 2.5ml for very young lambs. 5ml at 6 weeks/first deworming/vacc. 10ml at weaning.
P/I: Do not exceed recommended dosage. Drench carefully to avoid the windpipe.
See also IDR page 96

OVI-THRIVE LAMB AND KID + COPPER, Antrovet AH (Ashkan)

Per litre: Vitamins A 1 000 000iu, D3 150 000iu, E (as a-tocopherol acetate) 16 000mg, B1 4 000 mg, B2 1 000mg, B3 2 750mg, B5 (cal. pantothenate) 1 250mg, B6 1 250mg, B12 100 000mcg, C 1 000mg, H (biotin) 2 000mcg, folic acid 1 250mg on a high-energy base. Vit K 400mg, iodine 1 000mg, selenium 300mg, cobalt 1 350mg, copper* 1 500mg, manganese* 2 000mg, zinc* 6 000mg, lysine hydrochloride 2 000mg, methionine 3 000mg, amino acids range 2 100mg, essential fatty acids 1 000mg, prebiotics 8 000mg, nucleotides 6 000 mg. Contains copper. *MAAC – metal amino acid chelate. Based on a high energy base.
LIQUID DRENCH V23771
Indications: A liquid drench booster for nutritionally aiding gut health, growth, fertility and good livestock performance. Uses nano-technology for max. bioavailability and effect. Can be used in feed, drinking water, drench or top-dressed on feed. –O, Cap. 100ml, 500ml, 2L, 10L

Dosage: Shake well before use. 2.5ml for very young lambs. 5ml at 6 weeks/first deworming/vacc. 10ml at weaning.
C/I: Do not feed to sheep susceptible to copper poisoning.
P/I: Do not exceed recommended dosage. Drench carefully to avoid the windpipe.
See also IDR page 96

OVI-THRIVE SHEEP AND GOATS, Antrovet AH (Ashkan)

Per litre: Vitamins A 1 000 000iu, D3 152 000iu, E 15 000mg, B1 2 700mg, B2 1 000mg, B3 3 500mg, B5 1 250mg, B6 1 250mg, B12 13 000, C 1 000mg, H 3 750mcg, folic acid 1 250mg on a high energy base. Vitamin K 410mg, iodine 1 000mg, selenium 300mg, cobalt 1 350mg, manganese* 2 000mg, zinc* 6 000mg, lysine hydrochloride 2 200mg, methionine 3 500mg, amino acids range 2 100mg, essential fatty acids. *MAAC – metal amino acid chelate. Based on a high energy base.
LIQUID DRENCH V23770
Indications: A liquid drench booster for nutritionally aiding growth, fertility and good livestock performance. Uses nano-technology for max. bioavailability and effect. Can be used in feed, drinking water, drench or top-dressed on feed. –O, Cap. 100ml, 500ml, 2L, 10L
Dosage: Shake well before use. Before mating: 15ml per ewe, 20ml per ram, 6 weeks before lambing: 15ml per ewe. See literature.

P/I: Do not exceed recommended dosage. Drench carefully to avoid the windpipe.
See also IDR page 96

OVI-THRIVE SHEEP AND GOATS + COPPER, Antrovet AH (Ashkan)

Per litre: Vitamins A 1 000 000iu, D3 152 000iu, E 15 000mg, B1 2 700mg, B2 1 000mg, B3 3 500mg, B5 1 250mg, B6 1 250mg, B12 13 000mcg, C 1 000mg, H 3 750 mcg, folic acid 1 250mg on a high energy base. Vitamin K 410mg, iodine 1 000mg, selenium 300mg, cobalt 1 350mg, copper* 3 400mg, manganese* 2 000mg, zinc* 6 000mg, lysine hydrochloride 2 200mg, methionine 3 500mg, amino acids range 2 100mg, essential fatty acids 1 500mg. *MAAC – metal amino acid chelate. Based on a high energy base.
LIQUID DRENCH V23769
Indications: A liquid drench booster for nutritionally aiding growth, fertility and good livestock performance. Uses nano-technology for max. bioavailability and effect. Can be used in feed, drinking water, drench or top-dressed on feed. –O, Cap. 100ml, 500ml, 2L, 10L
Dosage: Shake well before use. Before mating: 15ml per ewe, 20ml per ram, 6 weeks before lambing: 15ml per ewe. See literature.
C/I: Do not feed to sheep susceptible to copper poisoning.
P/I: Do not exceed recommended dosage. Drench carefully to avoid the windpipe.
See also IDR page 97

PIET SCHOEMAN’S BOOST TABLETS, Medpet

Tocopherol acetate (vit E) 150mg, creatine 50mg, magnesium sulphate 5mg.
TABLETS V9306
Indications: Supplement for pigeons. –Pigeons. 100 tablets
Dosage: As an aid to enhancing racing performance: Dose 1 tablet/pigeon for 3 days before the race (last tablet on morning of basketing), and on return from the race. May be used in conjunction with Speed-Plus. As an aid in increasing fertility: Dose 1 tablet to infertile cock or hens 3 x per week during the breeding season.

PREMOLT 100, Medpet

Lysine 0,1g, methionine 0,1g, vitamins A 500000iu, D 500000iu, B12 2,5mg, thiamine 318mg, riboflavine 250mg, folic acid 50mg, pantothenic acid 4675mg, niacin 5 000mg, choline 208mg, pyridoxine 607,6mg, Ca 0,53g, Na 1,95g, chlorine 2,9mg, Mn 5350mg, Zn 8990mg, I 205,7mg, moist. 100g/kg.
POWDER V2540
Indications: Amino-acid, vitamin, mineral supplement. –Pigeons, Cage birds. 500g
Dosage: 5g/2L water (80 pigeons). Fresh daily solution as only drinking water for 2 months.

PREMOLT 5, Medpet

Lysine 0,005g, methion. 0,005g, vitamins A 25 000iu, D 25 000iu, B12 0,125mg, thiam. 15mg, riboflavine 12,5mg, folic acid 2,5mg, pantothen. acid 238,8mg, niacin 250mg, choline 10mg, pyridoxine 30,4mg, Ca 0,0265g, Na 0,097g, chlorine 0,147g, Mn 267,3mg, Zn 449mg, I 10,3mg, moist. 100g/kg.
POWDER V8978
Indications: Amino-acid, vitamin, mineral supplement. –Cage birds. 100g, 300g
Dosage: Add 5g to 100ml fresh drinking water daily. Use continuously for 2 months.

RIGLY EQUICALM, Stride

Tryptophane and B vitamins.
POWDER V10587
Indications: Amino-acid, vitamin supplement, natural calmative. –E. 500g, 1,5kg
Dosage: 20g on food when necessary. Ponies: ½ dosage. Long-term treatment: 2 x weekly.
See also IDR page 680

RIGLY LIVER TONIC, Stride

Protein 99g, pangamic acid (vit B15) 5,0g, thiotic acid 1,6g, thiamine (vit B1) 0,1g, riboflavin (vit B2) 0,2g, pyridoxine (vit B6) 0,2g, cyanocobalamine (vit B12) 1,5mg, nicotinic acid 30mg, biotin 1,0g, choline 1,7g, vit K 0,1g, vitamin E 4,0g/kg.
POWDER V18092
Indications: Protein and vitamin supplement for horses. –E. 2kg
Dosage: Add to a small quantity of food or mix with some water and dose the horse. Foals/young horses: 15g/day. Adult horses: 20-30g/day. Continue for at least 1 week or until the horse clearly needs no further supplementation.
See also IDR page 681

SUPER BOOST, Antrovet AH (Ashkan)

Per litre: Vitamins A 500 000iu, D3 75 000iu, E 8 000mg, B1 2 000mg, B2 500mg, B3 1 375mg, B5 625mg, B6 625mg, B12 50 000mcg, H 1 000mcg, C 500mg, K 200mg, folic acid 625mg, iodine 500mg, selenium 150mg, cobalt 675mg, copper* 750mg, manganese* 1 000mg, zinc* 3 000mg, lysine hydrochloride 1 000mg, methionine 1 500mg, amino acids range 1 050mg, essential fatty acids 500mg, nucleotides 3 000mg, prebiotics 4 000mg. *MAAC – metal amino acid chelate. Based on a high energy base.
LIQUID DRENCH V27156
Indications: A high energy liquid drench booster for nutritionally aiding gut health, growth, fertility and good livestock performance. Uses nano-technology for max. bioavailability and effect. Can be used in feed, drinking water, drench or top-dressed on feed. –All species. 100ml, 1L, 2L, 10L

Dosage: Shake well before use. Use at 1ml per 2kg bm.
P/I: Do not exceed recommended dosage. Drench carefully to avoid the windpipe.
See also IDR page 98

VITA-KELP, Medpet

Vitamins, minerals, amino-acids, yeast, kelp.
POWDER V10591
Indications: Vitamins, minerals, amino-acids. –Can, F. 250 (500)g
Dosage: Kittens: 1,25ml. Cats, pups, small dogs: 2,5ml. Medium dogs: 5ml. Large dogs: 10ml.

17.5. Others

AFRI-VIT P, Afrivet

Vitamins A 40g, D3 50g, E 14g, B1 5g, B2 4,8g, B6 1,28g, B12 20g, C 45g, K3 2,16g, B3 3,6g, pantothenic acid 2,5g, arginine 24g, glycine 35g, lysine 24,7g, methionine 26,4g, threonine 12g, tryptophan 4,8g/kg powder.
WATER SOLUBLE POWDER V28852
Indications: Vitamin and amino acid supplement for poultry, pigs and calves. –B, P, Poultry. 100g, 500g, 1kg, 2kg, 5kg, 20kg and 25kg
Dosage: 0,5g-1g/L drinking water for at least 3-5 days.
See also IDR page 3

ARTHRIMED, Medpet

Glucosamine HCL 600mg, chondroitin sulphate (shark cartilage) 300mg, green-lipped mussel extract 150mg, ascorbic acid 100mg, manganese ascorbate 10mg, brewers yeast 400mg, moisture 50mg.
TABLETS V16297
Indications: An aid in the maintenance of healthy joints and tendons. –Can, F. (30) 90
Dosage: Dogs: 1-10kg: 1 tablet daily. 11-20kg: 2 tablets daily. 21-40kg: 3 tablets daily. 41+kg: 4 tablets daily. Cats: 1-3kg: ½ tablet daily. 4+kg: 1 tablet daily. Continue treatment for 4 weeks. Maintenance: Half regular dose.

ARTHRITIS CARE, Medpet

Glucosamine HCL 300mg, MSM 300mg, green-lipped mussel extract 50mg/tablet.
TABLETS V20114
Indications: Nutritional aid to manage symptoms of moderate to severe bone and joint conditions, e.g. acute signs of lameness, especially in the mornings; extreme difficulty to rise; unsteady movement; inability to run or play. –Can, F. 60 tablets
Dosage: Small dogs (1-10kg): 1 tablet daily; Medium dogs (11-20kg): 2 tablets daily; Large dogs (21-40kg): 3 tablets daily; Giant dogs (41kg+): 4 tablets daily. Small cats (1-3kg): ½ tablet daily; Large cats (4kg+):

1 tablet daily. Feed the tablet alone or crush and mix into food. Continue dosage for at least 4 weeks. Thereafter the dosage can be reduced until a maintenance level is reached (about 50% of initial dose).

B-ACT®, Huvepharma

Bacillus licheniformis, minimum 3,2 x 10⁹ CFU/g.
POWDER V30282
Indications: Zootechnical feed additive. –Poultry. 25kg
Dosage: 500g/ton feed.
See also IDR page 375

B-ACT® WSP, Huvepharma

Bacillus licheniformis dried fermentation product containing a minimum of 1,6 x 10¹⁰ CFU/g.
SOLUBLE POWDER V33056
Indications: Zootechnical feed additive –P, Poultry. 20 x 100g (2kg)
Dosage: For oral use after dissolution in drinking water. Dose animals on a 7-day regime. Pigs: 1 sachet/10 000kg bm. Poultry (broilers, turkeys and layers) – 1 sachet treats 20 000 birds/day. See literature.
See also IDR page 375

BACTOFOS PLUS®, Bupo

Calcium fosfomycin 20%, tylosin 5%.
POWDER G4325
Indications: A broad spectrum antibiotic compound active against Gram negative and Gram positive bacteria and *Mycoplasma*. –P, Poultry. 25g, 50g, 100g, 1kg, 20kg
Dosage: Poultry: Large operation: 160mg/kg bm. Small operation: Prevention: 5g/10L water. Treatment: 10g/10L water. P: Prevention: 20g/10L water. Treatment: 25g/10L water. Premix: Poultry: 400-600g/ton feed. P: Prevention: 1kg/ton feed. Treatment: 2,5kg/ton feed.
W/T: Meat 7 days.
C/I: Do not use in layers.
See also IDR page 169

BB4L®, Bupo

NSP-enzymes 4g, hydrated sodium calcium aluinossilicate q.s 100g.
POWDER V29650
Indications: A performance enhancer. It facilitates feed conversion, resulting in better egg production during the laying period. –Poultry 1kg, 20kg
Dosage: 500g-1kg/ton of feed.
See also IDR page 169.

BETAKILL®, Bupo

Poly dimethyl ammonium chloride 120g/L.
LIQUID G4210
Indications: For broad-spectrum disinfection of surfaces against all poultry viruses, bacteria, fungi, *Mycoplasma*, yeasts and

algae. For disinfection of drinking water for poultry. For disinfection of hatching eggs. For disinfection of the air in poultry houses. For delaying the spread of infectious coryza and Newcastle disease when used to disinfect the drinking water and air in poultry houses. –Poultry. 250ml, 1L, 5L, 20L bottles
Dosage and direction for use: See literature.
See also IDR page 170.

BROWSE PLUS®, Virbac

Polyethylene glycol, polyvinyl pyrrolidone, Ca-hydroxide, molasses.
FLAKES V11013
Indications: Improves utilisation of less palatable grass and leaves. –B, Cap, O. 1kg, 500g, 4kg, 10kg, 25kg
Dosage: 1-4g/head p/day.
See also IDR page 688

BUPOCOX-L®, Bupo

Plant extracts and essential oils.
LIQUID V28629
Indications: Assists in alleviating problems associated with necrotic enteritis. Control and prevention of coccidiosis. Maintenance of overall intestinal gut health. –Poultry. 100ml, 250ml, 1L
Dosage: 1-2ml/1L clean drinking water.
See also IDR page 171

BUPOMUNE®, Bupo

Choline chloride 8g, organic acids 5g, enzymes 2g/100g.
LIQUID V29073
Indications: To facilitate an optimum response to vacc. programmes by protecting the normal function of the liver. To facilitate optimum transfer of maternal immunity from breeder birds to their chicks. –Poultry. 100ml, 250ml, 1L
Dosage: 2ml/L drinking water 1 week pre-vacc. and 1 week post-vacc.
See also IDR page 171

BYBOOST LIQUIGISE ENERGY BOOSTER, Elanco AH

Mono-, polysaccharidesand specialised fatty acids.
LIQUID V23773
Indications: A concentrated liquid containing water-soluble energy. For chicks, poults and young birds, all live farmstock where energy demand is high. –E, B, O, Cap, Poultry, Ostriches, Exotic birds. 5L
Dosage: Animal dependent. See literature.
See also IDR page 290
CALCIMAX, Afrivet
Calcium 80g, magnesium 7g, propylene glycol and monosaccharides 250g, vit D3 20 000iu/1 000ml.
ORAL RTU SOLUTION V32091

Indications: Vitamin and mineral supplement containing calcium, magnesium and vitamin D3 in an energy rich base to assist in the management and treatment of subclinical and clinical hypocalcemia. –B, O, Cap, E, Game, Ostriches. 500ml, 1L, 5L and 25L

Dosage: 1ml/kg bm: Use Calcimax, 1-4 hours post calving, lambing, farrowing or foaling. Repeat after 12 hours if required and again 12 hours later if still required. Under conditions of extreme dehydration, add water to the Calcimax solution at 10-fold the Calcimax volume, for example 500ml dosage could be supplemented with 5L of water for extremely dehydrated animals.

Storage instructions: Store under 25°C in a cool, dry place, but do not refrigerate.

See also IDR page 7

CALMEQUIN, V-Tech
L-tryptophan, thiamine, magnesium and selected herbs based in colloidal clay.

POWDER V14927

Indications: Behavioural problems, stress or excitement related to dietary deficiencies of ingredients. –E.

1kg

Dosage: 30g daily with main meal, reduce to 15mg daily after 2 weeks.

C/I: Do not feed to pregnant mares.

See also IDR page 778

CARNITOL-L, Huvepharma
Sorbitol 160 000mg, choline chloride 22 400mg, L-carnitine 20 000mg/L.

LIQUID V32266

Indications: Dietetic feed to enhance liver function and reduce fatty liver syndrome. – Poultry, B, P, O, Cap, Rabbits. 1L, 5L

Dosage: In drinking water or in feed. Admin. for 5 days. Poultry, palmipedes: 1ml/L drinking water. Cattle: 50-100ml/day, according to weight. Calves: 20ml/day. Breeders and fattening pigs: 20-40ml/day. Piglets: 5ml/day. Sheep and goats: 20ml/day. Rabbits: 1ml/L drinking water.

See also IDR page 376

COPRONAT®, Afrivet
Yucca schidigera extracts 1ml, grapeseed extract 0,05ml, potassium sorbate 0,2% m/v/100ml.

LIQUID V22705

Indications: An aid in the control of coprophagia and flatulence. –Can. 250ml

Dosage: Instructions for use: 4 sprays/10kg bm daily on the animal's food. For flatulence: Spray onto the food of the animal experiencing flatulence. For coprophagia: Spray on the food of the animal whose faeces are being consumed. Also reduce the smell of cat litter, by spraying on the cat's food.

See also IDR page 11

CORN OIL PLUS, Xenia
Fat (Max) 990g, palmitic acid 120g, trans-3-hexadecenoic acid 1,2g, stearic acid 25g, trans-vaccenic acid 310g, linoleic acid 500g, gamma linoleic acid 14g, arachidonic acid 6,3g/L.

OIL V17732

Indications: Provides supplementary essential fatty acids. Helps to reduce excitability in horses fed high grain content diets. Helps to maintain a healthy skin and glossy coat. Conditioning agent and energy supplement. Helps to reduce heat load in hot weather. –E.

2l, 5L, 20L

Dosage: Feed 60-80ml daily in food for maintenance. Endurance horses: 250ml-500ml 4 hours prior to event. (250ml replaces 1kg concentrates).

DIAKUR PLUS, Boehringer
Glucose, dried citrus pulp, yeast inactivated glucose, sodium potassium.

POWDER V22615

Indications: Nutritional supplement for calves, pigs and foals. –B, P, E. 24 x 100g sachets

Dosage: See literature for full regimen.

See also IDR page 111

DIGESTABLE L®, Bupo
Herbal fluid extract 15g, choline chloride (70%) 15g.

LIQUID V25592

Description: A hepato-protector water soluble solution. Stimulates bile secretion and helps eliminate fat due to its choleric and lipotropic properties. –P, Poultry. 100ml, 250ml, 1L, 5L, 20L

Dosage: Admin. to drinking water. Broilers and commercial layers: 1-2ml/1L. Layer replacement pullets and breeders: 1.5-3ml/1L. P: 1-2ml/1L.

See also IDR page 171

DIGESTABLE-LA®, Bupo
Rumen-protected choline chloride 50g, herbal extracts (6%) 2g.

POWDER V27576

Indications: A hepato-protector for large animals. It improves the feed conversion rate by means of its choleric and lipotropic properties that stimulate bile secretion and increase fat mobilisation. A proprietary liver modulator and liver protector feed additive that was developed to optimize the ruminant's economic performance by keeping them healthy and productive. Used for production support in dairy cattle during the transition period and when animals are introduced into the feedlot. –B.

1kg, 20 kg

Dosage: Admin. orally, mixed with feed. Beef and dairy cattle: 250g/ton feed. Cattle (beef): 2,5-5 g/animal/day sprinkled over food. 5-10 g/animal/day sprinkled over food.

See also IDR page 171

DIGESTABLE-P®, Bupo
Herbal extracts 6g, choline chloride 40g.

LIQUID V27418

Indications: A feed additive premix is a natural product comprising of herbal extracts and choline chloride. It is a proprietary hepatomodulator, hepatoprotector and natural performance enhancer to optimize livestock's economic performance by keeping animals healthy and productive. –Poultry. 1kg, 20kg

Dosage: Admin. orally, mixed with feed. Broilers: 200g/ton feed. Layers and breeders: 150g/ton feed.

See also IDR page 172

DIGESTABLE-S®, Bupo
Choline chloride 30g, sodium butyrate 30g.

PREMIX V31454

Description: A hepato-protector for swine is a propriety liver modulator, liver protector and a natural growth promotor that was developed to optimize the animal's economic performance.

Indications: Stimulates bile secretion and helps eliminate fat due to its choleric and cholagogic properties. Enhances feed conversion and raw material utilisation. –P. 1kg, 20kg

Dosage: Admin. orally, mixed homogenously with feed. Piglets: 150g/ton feed. Farrowing and lactating sows: 150g/ton feed.

See also IDR page 172

DIOMEK, Kyron Vet Rx
Diosmectite 4 000mg/g, prebiotics, dextrose, zinc oxide and electrolytes

POWDER V27660

Indications: Nutritional aid to assist in normalising the digestive system of foals, calves, lambs and piglets. –E, B, O, P. 12 x 75g

Dosage: Foals: 75g in 2L water/milk 2 x daily for 3 days. Calves: 75g in 2L water/milk 2 x daily for 3 days. Lambs: 25g in 500ml water/ milk 2 x daily for 3 days. Piglets: 19g in 500ml water/milk 2 x daily for 3 days.

DIOMEK PLUS POWDER, Kyron Vet Rx
Diosmectite 4 000mg, Mannan-Oligosaccharide (MOS) 5 000mg, dextrose 47,75g, Zinc oxide 2,5mg. Also contains electrolytes, potassium and sodium chloride/75g sachet.

POWDER V27660

Indications: A nutritional aid that assists in normalising the digestive system of foals, calves, lambs and piglets. –E, B, O, P. 12 x 75g sachets

Dosage: Foals: 1 sachet/2L water/milk 2 x daily for 3 days. Calves: 1 sachet/2L water/milk 2 x daily for 3 days. Lambs: 25g/500ml water/milk 2 x daily for 3 days. Piglets: 19g/500ml water/milk 2 x daily for 3 days.

See also IDR page 418

DRY VELD BOOST™, V-Tech
Polyethylene glycol 720g/kg.

POWDER G4009

Indications: Feed supplement for wild and domestic ruminants. 4kg, 10kg

Dosage: Can be given in drinking water or mixed into the feed. Dosage depends on the dryness and availability of the pastures. 2g-100g/100kg bm/day. Higher doses should be given for overstocked pastures if the veld is dry or if animals have to make use of browse rich in tannins.

See also IDR page 778

EFAZOL, Kyron Vet Rx
Linoleic acid 456 mg, alpha-linolenic acid 65 mg, gamma linolenic acid 1,34mg, eicosapentaenoic acid 8,4 mg, docosahexaenoic acid 4,4mg, vitamins A 112,7iu, E1,86iu, biotin BP 0,0018mg, pyridoxine HCl BP 0,1mg, zinc lactate trihydrate 10,11mg, inositol 0,33mg, omega 6: omega 3 ratio 6:1/ml.

LIQUID V18292

Indications: Nutritional supplement for the management of skin conditions. –Can. 250ml, 1L

Dosage: 0.3-1ml/kg bm. Under 7kg: 3,75ml; 7-23kg: 7,5ml; Over 23kg 15ml. Pour measured dose on food 1 x daily.

See also IDR page 422

EFAZOL PLUS, Kyron Vet Rx
Linoleic acid 200mg, alpha-linolenic acid 25mg, gamma linolenic acid 0,75mg, eicosapentaenoic acid 75mg, docosahexaenoic acid 50mg, vitamins A (as propionate) 120iu, E (as acetate) 1,86iu, D 10iu, biotin 50µg, pyridoxine hydrochloride 0,1mg, zinc lactate trihydrate 10,11mg, inositol 0,33mg, omega-6: omega-3 ratio 1,5:1/ml.

LIQUID V27469

Indications: Indicated where the beneficial effects of high levels of EPA and DHA are required for the management of certain skin conditions. –Can. 250ml, 750ml

Dosage: Shake well before use. Apply the measured dose using the pump onto the food 1 x daily. Reduce dose by half after 6 weeks. During flare-ups or high-risk periods increase back up to the full dose. See literature for exact dose.

See also IDR page 422

EQUITOP MYOPLAST, Boehringer
Saccharose, algae meal, glucose syrup.

PEARL GRANULES V19927

Indications: Feed supplement. Supports the functioning of the muscles during intensive training periods. –E. 1,5kg

Dosage: Feed for at least 4 weeks. Large horses: 50g 1 x daily. Small horses and ponies: 25g mixed with the normal feed.

During intensive performance periods the daily ration may be doubled.

See also IDR page 113

EQUITOP PRONUTRIN, Boehringer
Apolectol.

FEED SUPPLEMENT V19925

Indications: Supports the gastric mucosa. –E. 3,5kg

Dosage: See literature.

See also IDR page 114

EZE-GRAZE, Kyron AH
Polyethylene glycol 930g/kg. Also contains polyvinylpyrrolidone (PVP) 10g/kg, calcium hydroxide 10g/kg, and ethyl concentrate (molasses solids) 50g/kg.

POWDER, V26646

Indications: Water and infeed additive improving animal digestive processes and results in more efficient nutrient utilisation. –B, O, Game. 1kg, 4kg, 10kg

Dosage: 1-4g/unit livestock per day. See literature.

See also IDR page 426

FEED BOOSTER, Xenia
Protein (min) 195g, vit E 35mg, lysine 7g, methionine 2,7g, threonine 6,9g, fat (min) 55g, palmitic acid 8g, stearic acid 0,65g, oleic acid (Omega 9) 9,53g, linoleic acid (Omega 6) 32,8g, alpha linoleic acid (Omega 3) 3,22g/kg.

PELLET V17778

Indications: Conditioning supplement providing protein, essential amino acids and fatty acids. Rich in vitamin E. –E. 10kg (20kg)

Dosage: Feed 1-2 cups as a top dressing to the horse's daily feed.

FIBREMAX, Afrivet
Polyethylene glycol (PEG) and polyvinylpyrrolidone (PVP) 30 000mg, propylene glycol 22 000mg/100ml and alkalinizing buffering agents.

ORAL SOLUTION V26352

Indications: A solution of anti-tannin and terpene inhibitors. Limits digestive problems associated with browsing and consumption of poor grazing in dry periods/winter. –B, O, Cap. 200ml, 1L, 5L, 25L

Dosage: Water application: Add 200ml/1 000L of drinking water on a continuous basis and prevent dilution form freshwater inflow. Lick application: Mix 1L Fibremax to 9L clean water/100kg lick mixture for a sustainable lick intake of 400-500g/ day for 450-500kg animals. Mix Fibremax with the salt portion of the lick and allow to mix through. Then add the remainder of the ingredients and complete mixing.

Storage instructions: Store under 25°C in a cool, dry place, but do not refrigerate.

See also IDR page 35

FIRST GUARD CRYPTO-PASTE, Antrovet AH (Ashkan)
Vitamin A 1000 000iu D3 80 000iu, E 1 600mg, B12 135 000µg, Cu MAAC* 280mg, Fe MAAC* 100mg, Mn MAAC* 60mg, Zn MAAC* 19 500mg, Se 6mg, prebiotics 3,33% w/w, nucleotides 6,80% w/w. butyric & C4 (acid 19 200mg, glycerides of butyric and medium-chain fatty acids 36 400mg, Shilajit 10 400mg, 1,3/1,6-ß-glucan 2,00% w/w/kg.

PASTE V34198

Indications: Supplemental paste to support gut integrity during intestinal disturbances. Support when cryptosporidium infection is suspected. –B, O, other animals.

Dosage: Calves: use 30g directly into the mouth, an additional 30g may be fed if required. Lambs: use 10-15g directly into the mouth, an additional 10-15g may be fed if required. Other animals: use at the rate of 1g/kg bm directly into the mouth, and additional 1g/kg may be fed if required.

FLAVOCOMBI, Huvepharma
Synergistic combination of *Bacillus licheniformis* and flavophosphopolipol.

POWDER V32105

Indications: Feed additive for improvement of weight gain and feed conversion efficiency. –P, Poultry. 25kg

Dosage: 100g/ton feed.

W/T: 0 days.

See also IDR page 378

FLEXI-BITES, V-Tech
MSM 500mg, green-lipped mussel 400mg, glucosamine sulphate 400mg, chondroitin sulphate 400mg.

BISCUITS V27093

Indications: Joint supplement with MSM, green-lipped mussel, glucosamine and chondroitin for healthy joints. –Can. 16

Dosage: Feed 1 biscuit/20kg bm dog 1 x daily for the maintenance of healthy joints.

See also IDR page 778

FURINAID, Afrivet
N-acetyl glucosamine.

ORAL SOLUTION V21356

Indications: A feed supplement for cats. Daily feeding will nutritionally support the glycosamino-oglycan levels in the mucosal barrier of the bladder wall. Furinaid is suitable for feeding to cats with FLUTD. 150ml

Dosage: Mix well into the feed. Feed each cat individually. A dosing pump is attached which dispenses 1,25ml. Access to fresh drinking water is vital for cats with urinary tract disorders. Feeding instructions for the first 14 days: All cats: 2,5ml (2 pump strokes). Maintenance: All cats: 1,25ml (1 pump stroke).

See also IDR page 37

GAME BROWSER BOOST, V-Tech
Polyethylene glycol 925g, excipients 75g/kg.
POWDER V19092
Indications: Aid in binding tannins and increasing digestibility of tannin containing plants to allow for supplementary energy intake. –Game.
5kg, 25kg
Dosage: 13g/grazing animal/day to drinking water (equivalent to 1-3g to approx. 25-30L).
See also IDR page 779

GCS JOINT CARE ADVANCED GEL FOR CATS, Kyron Vet Rx
Min/2ml pump: Glucosamine HCl 300mg, chondroitin sulphate (<10 kDa) 110mg, collagen type II 12mg, omega-3 fish oil 100mg, green-lipped mussel extract 80mg, MSM 100mg, vitamins C 20mg, E 20mg, manganese sulphate 2,5mg.
GEL V27364
Indications: A nutritional supplement that supports joint health. –F.
50ml
Dosage: Double the dose for the first 3 weeks. Maintenance: <5kg bm: ½ pump daily. 6-10kg: 1 pump daily. See literature.
See also IDR page 429

GCS JOINT CARE ADVANCED LIQUID FOR DOGS, Kyron Vet Rx
Min/5ml: Glucosamine HCl 600mg, chondroitin sulphate 240mg, collagen type II 30mg, omega-3 fish oil 250mg, green-lipped mussel extract 200mg, MSM 250mg, vitamin C 50 mg, vitamin E 50mg, manganese 2,5mg.
LIQUID V27363
Indications: A nutritional supplement that supports joint health. Use in dogs with ageing cartilage and signs of joint degeneration. Also for young adult and adolescent dogs which are in the high-risk category for the development of degenerative joint conditions as they grow older. –Can.
250ml
Dosage: Double the dose for the first 3 weeks. One pump equals 2,5ml.
Maintenance: 6-10kg bm: 1 pump 1 x daily over dog's food. Max 20ml/day. See literature.
See also IDR page 429

GCS JOINT CARE ADVANCED POWDER, Kyron Vet Rx
Glucosamine HCl 600mg, chondroitin sulphate (<10 kDa) 240mg, collagen type II 30mg, omega-3 fish oil 250mg, green-lipped mussel extract 200mg, MSM 500mg, vitamin C 50mg, manganese sulphate 3mg/5g (heaped scoop).
POWDER V28125
Indications: A nutritional supplement that supports joint health. –Can.
250g
Dosage: Adjust the amount admin. to meet the dog's specific needs. 1 scoop daily/10kg bm for the first 3 weeks. Long-term: ½ scoop daily/10kg bm.
See also IDR page 430

GCS JOINT CARE ADVANCED XL POWDER, Kyron Vet Rx
Glucosamine HCl 1350mg, chondroitin sulphate (<10 kDa) 500mg, collagen type II 40mg, omega-3 fish oil 250mg, green-lipped mussel extract 200mg, MSM1 000 mg, vitamin C 50mg, manganese sulphate/5mg (1 heaped scoop).
POWDER V28124
Indications: A nutritional supplement that supports joint health. –Can.
250g
Dosage: Adjust the amount admin. to meet the dog's specific needs. Double the dose for the first 3 weeks. Maintenance: ½ scoop daily/20-30kg bm. 1 scoop daily/31-50kg bm. 1½ scoops daily/>50 kg bm.
See also IDR page 430

HEMICELL®-HT, Elanco AH
B-Mannanase 160 million units per kg (minimum).
PREMIX V22663
Indications: Feed enzyme. –P, Poultry.
25kg
Dosage: 220-400g/ton feed.
P/I: May cause dermal and respiratory irritation and/or sensitivity. Wear appropriate protective equipment during handling.
See also IDR page 314

HOSTAZYM® X 30 000 MICRO GRANULATE, Huvepharma
An enzyme preparation of endo-1, 4-beta xylanase produced by *Trichoderma* sp. having a minimum activity of 30 000 EPU/g.
MICRO-GRANULATE V32630
Indications: Zootechnical feed additive for improvement of weight gain and feed conversion efficiency in poultry (fattening for chickens, fattening for turkeys, laying hens), and pigs (weaned piglets and fattening for pigs). –P, Poultry
25kg
Dosage: Chickens for fattening: 50g/ton. Turkeys for fattening 35g/ton. Laying hens 50g/ton. Piglets 50g/ton. Pigs for fattening 50g/ton.
See also IDR page 382

HT20, V-Tech
Biotin 1,7g, zinc 3,9g, manganese 4,25g, CU 132g, vit B 64,4g, lysine 27g, methionine 32,67g, sulphur 1,7g, cystine 5,45g/2,5kg.
POWDER V18344
Indications: Biotin, mineral and amino acid supplement.
1kg
Dosage: 25g daily.
See also IDR page 779

IMMUNO BOOST + LIVER, Antrovet AH (Ashkan)
Choline chloride 16 000mg, inositol 2 000mg, L carnitine 2 000mg, methionine 5 000mg, niacin 8 000mg, calcium pantothenate 1 000mg, vit B12 10 000 µg, B1 1 000mg,

betaine 1 0000mg, nucleotides 1 000mg, sorbitol (E420) 60 000mg, vit E 5 000mg, omega 3 fatty acids 1 000mg, biotin 100 000µg, prebiotics 2000mg/L.
WATER SOLUBLE LIQUID V34241
Dosage: Use my means of dosing equipment or via dosatron into the drinking water or can be mixed into the header tank. Can also be top dressed over feed or as an oral drench. See literature. Poultry chicks, broilers, layers and breeders: Dilute 100ml to 100L drinking water for 2-3days. Repeat every 2-3 weeks if required. Smaller animals: 0,5ml/5kg bm. Use for 10-15 days. Calves, sheep, goats: 5-10ml/50kg bm. Use for 5-8days. Cattle, horses, larger animals: 20-30ml/200kg bm. Use for 6-9days.

LEWERSTIM, Medpet
Thiamine 1350mg, riboflavine 550mg, Ca-pantothenate 660mg, nicotinamide 3300mg, pyridoxine 550mg, Ca 55mg, thiocctic acid 1 000mg, liver extract 6600mg/L.
LIQUID V10041
Indications: Vitamin supplement and liver stimulant. –Pigeons, Cage birds.
100ml
Dosage: 1ml/L drinking water weekly.

KITTYMILK, Kyron Labs
Biotin, folic acid, fluoride, zinc, arginine, taurine, amino acids, essential vitamins and minerals. Milk protein, egg yolk, animal and vegetable fats, maltodextrins, soya isolates, plus BHT as antioxidant.
POWDER V16752
Indications: Comprehensive nutritional supplement and milk replacer for kittens. Contains all vitamins and minerals essential for healthy growth and development of kittens. –F.
250g (2,5kg)
Dosage: Use measure supplied: Kittens less than 7 days old: 1 heaped measure with 2 measures lukewarm water. Kittens (7 days and older): 2 heaped measures with 3 measures of lukewarm water. Kittens to receive 2 measures (reconstituted as indicated) per 150g bm daily.
See also IDR page 398

MAGNI-PHI®, Phibro
Quillaja saponaria and *Yucca schidigera*. Rich in naturally occurring triterpenic saponins, polyphenols, resveratrol and yuccaols (potent antioxidants).
ANTIOXIDANT FEED ADDITIVE V29926
Indications: Has a positive impact on intestinal health. –Poultry.
20kg bags
Dosage: 250g/ton finished feed. Can be incorporated into premixes, base mixes, concentrates and complete feeds.
See also IDR page 672

MEDICOTE, Medpet
Linoleic acid 76,12ml, gamma linoleic acid 0,625ml, alpha linoleic acid 6,08ml,

eicosapentanoic acid 9,375ml, vit A 22 000iu, vit E 500Iu, ratio omega 3:6 5:1/100ml.
LIQUID V17412
Indications: Promotes and maintains skin health and lustre. A nutritional aid in the management of inflammatory skin conditions. –E, Can, F.
100ml
Dosage: E: Up to 300kg: 10 pump strokes. Over 300kg: 15 pump strokes. Small dogs 6-10kg: 2 pump strokes; medium dogs 11-20kg: 3 pump strokes; large dogs 21-40kg: 4 pump strokes. Small cats 1-3kg: 1 pump stroke; Large cats 4kg+: 2pump strokes.

MEDI-GUT, Medpet
Lactobacillus acidophilus, *Lactobacillus rhamnosus*, *Bifidobacterium bifidum*, *Bifidobacterium lactis*, *Bifidobacterium longum*.
LIQUID V27123
Indications: Probiotic nutritional supplement. For treating diarrhoea, *Candida* overgrowth, constipation, spastic colon, inflammatory bowel disease, as a probiotic restorative for the intestine. –Can, F.
100ml
Dosage: Shake well before use. Initial dose: 4 squirts over food or in mouth 3 x per day. Maintenance dose: 4 squirts over food or in mouth once daily.

MEDIMUNE POWDER, Medpet
Beta 1, 3-D glucan 1kg, ascorbic acid 10kg/kg.
POWDER V16772
Indications: Immune activator and anti-oxidant. –Pigeons, Birds.
250g
Dosage: Add 5g/kg food or grain. Admin. monthly for 3 consecutive days. In case of disease, admin. for 10 days.

MEDIMUNE TABLETS, Medpet
Beta 1,3 D glucan, ascorbic acid, vit E, brewer's yeast.
TABLETS V17459
Indications: An aid in the maintenance of a healthy immune system. –Can, F.
30 tablets
Dosage: Dogs: 1 tablet/10kg. Small cats (1-3kg): ½ tablet. Large cats (4kg+): 1 tablet.

MEDI-VITAL PLUS, Medpet
Oxytetracycline 10mg, trimethoprim 8mg, sodium sulphamidine 34,5mg, vitamins and minerals.
POWDER G4305
Indications: Prevention and treatment of bacterial disease. –Pigeons, Cage birds.
100g
Dosage: Water: Mix 3g/L drinking water for 3-5 days. Stir well. Repeat stirring process every 4 hours. Food: Mix 6g/kg soft food or grain mixture for 3-5 days.

MICROLIFE PRIME™, Phibro
Bacillus licheniformis, *Bacillus subtilis*, *Bacillus amyloliquefaciens* and *Bacillus coagulans*.

PROBIOTIC V33803
Indications: Helps to optimise the intestinal microbiome and support intestinal health. –Poultry.
25kg
Dosage: The min. recommended inclusion level in feed is 125g/ton final feed. Suitable for poultry of all ages.
See also IDR page 672

MIRRA-COTE®, Kyron Labs
Essential fatty acids, evening primrose oil, fish oil, vitamins A, D, E, wheatgerm oil, flaxseed oil, lecithin.
LIQUID V10324
Indications: Nutritional supplement.
–Can, F, E.
100 (500)ml, (2;5L)
Dosage: 1-15ml daily.
See also IDR page 401

MIRRA-COTE® WITH BIOZINC, Kyron Labs
Per ml: Essential fatty acids (eicosapentaenoic, docosahexaenoic, docosapentaenoic, linoleic, alpha-linolenic and gamma-linolenic), biotin 100mcg, zinc sulphate 12mg, vitamins A 121iu, D3 12,1iu, E 1,1iu, pyridoxine HCl 0,18mg, methionine HCl 1,2mg, inositol 1mg. Omega-6: Omega-3 ratio 5:1.
LIQUID EMULSION V21270
Indications: A dietary supplement for dogs and cats to aid in the management of skin conditions. –Can, F.
200ml bottle with dosing pump.
Dosage and directions for use: Give once daily, mixed into food. Cats, small dogs: ¼ to ½ medicine measure (1-2 pump strokes). Medium to large dogs: ¾ to 1 medicine measure (3-5 pump strokes). Dosage can be increased without harmful effects.
See also IDR page 401

MOBIFLEX®-C, Kyron Labs
Glucosamine HCl 1,3g, chondroitin sulphate 500mg, RevitaCOL® collagen 250mg, MSM 625mg, GlycOmega®-PLUS greenshell mussel extract powder 200mg, ascorbic acid 33mg, manganese 5mg/5g.
POWDER V33901
Indications: Natural supplement in aid of maintenance and repair of joints and cartilage. –E, Can, F.
250g
Dosage: Mixed into food. Cats ¼ scoop (1g) per 10kg bm daily. Dogs: 1 level scoop (5g) per 50kg bm daily. Horses: 2-3 level scoops (10-15g) daily. For horses over 600kg recommend 3-4 level scoops (15-20g) daily.

MOBIFLEX®-H, Kyron Labs
Glucosamine HCl 26% m/m, chondroitin sulphate 10% m/m, MSM 20% m/m, GlycOmega®-PLUS greenshell mussel extract powder 4% m/m, ascorbic acid 0,66% m/m, manganese 0,1%/5g

POWDER V18616
Indications: Natural supplement in aid of repair of joints and cartilage. –E.
500g
Dosage: 2-3 5g measures daily as a maintenance dose. Horses over 600kg: 3-4 measures a day. Increase dose 2 days before strenuous exercise.
See also IDR page 402

MOBIFLEX®-LD, Kyron Labs
Glucosamine HCl 1,3g, chondroitin sulphate 500mg, MSM 1g, GlycOmega®-PLUS greenshell mussel extract powder 200mg, ascorbic acid 33mg, manganese 5mg/5g.
POWDER V20146
Indications: Natural mobility supplement in aid repair of joints and cartilage. –Large Can.
250g
Dosage: 5g/50kg bm. Mix 10g daily into the food for 2 weeks, then give 5g daily thereafter.
See also IDR page 402

MOBIFLEX® POWDER, Kyron Labs
Glucosamine HCl 500mg, chondroitin sulphate 600mg, MSM 500mg, GlycOmega®-PLUS greenshell mussel extract powder 200mg, manganese 5mg, ascorbic acid 30mg, total sulphur 205mg/5mg.
POWDER V17705
Indications: Nutritional mobility aid to assist with the repair of joints and cartilage. –Can, F.
250g
Dosage: Mix into food. Dogs 25kg bm and over: 15g daily for 1 week, then 10g daily as a maintenance dose. Dogs 10-25kg bm: 10-12,5g daily for 1 week, then 5-7,5g daily as a maintenance dose. Small dogs and cats: 10g daily for 1 week, then 5mg daily as a maintenance dose.
See also IDR page 401

MOBIFLEX® TABLETS, Kyron Labs
GlycOmega®-PLUS greenshell mussel extract powder 450mg, glucosamine HCl 200mg, chondroitin sulphate 100mg, MSM 100mg, manganese 10mg ascorbic acid 20mg/tablet.
TABLETS V24112
Indications: Mobility supplement. –Can, F.
60 tablets
Dosage: Tablets can be crushed and added to food or given on their own. Can: Up to 20kg: 2 tablets daily for the first week then reduce to 1 tablet/day. 20kg+: 4 tablets daily for the first week then reduce to 2 tablets/day. F: 1 tablet daily for the first week then reduce to ½ tablet/day.
See also IDR page 402

★ **NUTRADYL®, Zoetis**
New Zealand green-lipped mussel extract that contains essential fatty acids (omega 3) and glycosaminoglycans (chondroitin, keratin sulphate) 400mg, glucosamine 175mg,

methyl sulphonyl methane 100mg, ascorbic acid (vitamin C) 18mg, manganese sulphate 10mg/tablet.
TABLET V19141
Indications: A nutritional supplement that provides essential nutrients to help maintain long-term joint health in dogs of all ages. It can be used concurrently with conventional NSAID preparations. –Can.
Dosage: Up to 20kg: 1 tablet/day. When used concurrently with an NSAID: ½ tablet/day. 20kg +/- 2 tablets/day. When used concurrently with an NSAID: 1 tablet/day.
See also IDR page 849

OREGRO-HS®, Bupo
Oregano essential oil 8g.
LIQUID V26874
Description: A blend of essential oils, vitamin C, vitamin E and electrolytes specially designed for heat stress. This product has antibacterial, antiparasitic, antifungal, anti-inflammatory and anti-toxicogenic properties. It is intended for use in poultry and swine. **Indications:** To help birds cope during periods of heat stress. To promote health growth and performance. To enhance growth/production/ performance. –B, P, Poultry.
100ml, 250ml, 1L, 5L
Dosage: Calves & P: 1-2ml/1L water. Layers, breeders & broilers: 1ml/1L water
See also IDR page 173

OREGRO-L®, Bupo
Oreganum essential oil 8g.
LIQUID V24351
Indications: Increases growth rate and feed conversion ratio. Reduces mortalities by encouraging a reduction in bacterial diseases. Inhibits the growth of *E. coli* and assist in alleviating problems associated with neurotic enteritis. –B, P, Poultry.
100ml, 250ml, 1L, 5L, 20L
Dosage: Calves & P: 1-2ml/1L water. Layers, breeders & broilers: 1ml/10L water.
See also IDR page 174

OREGRO-NGP®, Bupo
Oregano essential oil 8g.
PREMIX V24350
Indications: Assists in alleviating problems associated with necrotic enteritis. Assists with the feed conversion rate, reduces mortality and also assists with the increase of growth rate in broilers and in swine. –P, Poultry.
1kg, 20kg
Dosage: P: Prevention: 1kg/ton feed. Treatment: 1-3kg/ton feed. Poultry breeders and broilers: Prevention: 400g/ton feed. Treatment: 1-3kg/ton feed.
See also IDR page 174

OPTILUMEN DAIRY, Virbac
Vitamins A 1 000 000iu, D3 25 000iu, E 5 500iu, zinc 6 000mg, magnesium 5 000mg, manganese 2 000mg, copper 1 000mg, cobalt

1 000mg, chromium 300mg, selenium 300mg, l-lysine 15 000mg, dl-methionine 4 500mg, yeast cell wall 8 000mg, sodium butyrate 50 000mg, moisture ≤99%. See literature.
ORAL DRENCH V32910
Indications: Vitamin, mineral, amino acid and gut health supplement for dairy cows and calves. –B.
100ml, 1L, 5L, 10L, 20L.
Dosage: Highly palatable for use as a drench, in feed, drinking water, milk replacer or top dress onto feed. Calves 25-100kg: 10ml/50kg bm. Weaner calves 101kg-225kg: 20ml/100kg bm. Adult cattle: 15ml/100kg bm. Into drinking water: Mix 60ml into 100L of cool drinking water. See literature.

See also IDR page 742
OPTILUMEN NEO, Virbac
Vitamins A 1 000 000iu, D3 25 000iu, E 10 000iu, B2 7 000mg, B6 3 500mg, B3 20 000mg, B1 2 500mg, K 2 000mg, B12 20mg, yeast cell wall 8 000mg, cobalt 675mg, zinc 6 000mg, copper 500mg, iodine 500mg, ascorbic acid 50 000mg, sodium butyrate 50 000mg, arginine 4 000mg, leucine 4 000mg, dextrose 35 000mg, glycine 30 000mg, methionine 3 000mg, isoleucine 2 500mg, manganese 2 000mg, tryptophan 2 000mg, valine 2 000mg, selenium 150mg, calcium pantothenate 10 000mg, lysine 10 000mg, threonine 10 000mg, folic acid 1 000mg, cysteine 1 000mg, biotin 5mg, moisture ≤99%. See literature.
DRENCH V32913
Indications: Vitamin, mineral, amino acid, energy and gut health supplement for newly born calves, lambs and kids. –B, O, Cap.
100ml, 1L, 5L, 10L
Dosage: Use as a drench, in feed, drinking water, milk replacer or top dress onto feed. Oral drench: 1ml/kg bm for 4-5 days or as required. Into drinking water: 60ml/100L cool drinking water. See literature.

See also IDR page 743
OPTILUMEN SHEEP AND GOATS, Virbac
Vitamins A 1 000 000iu, D3 25 000iu, E 5 500iu, zinc 6 500mg, magnesium 5 000mg, manganese 2 000mg, cobalt 500mg, selenium 300mg, l-lysine 15 000mg, dl-methionine 3 500mg, yeast cell wall 8 000mg, sodium butyrate 50 000mg, moisture ≤99%. See literature.
DRENCH V32914
Indications: Vitamin, mineral, amino acid and gut health supplement. –B, O.
100ml, 1L, 5L, 10L, 20L
Dosage: Use as a drench, in feed, drinking water or top dress onto feed. Oral dosing: Lambs and kids under 25kg: 5ml. Lambs and kids over 25kg: 10ml. Adult sheep and goats: 20ml/50kg bm. Into drinking water: 60ml/100L cool drinking water. See literature.

See also IDR page 743

OPTILUMEN SHEEP AND GOATS + CU, Virbac
Vitamins A 1 000 000iu, D3 25 000iu, E 5 500iu, zinc 6 500mg, magnesium 5 000mg, manganese 2 000mg, copper 1 500mg, cobalt 500mg, selenium 300mg, l-lysine 15 000mg, dl-methionine 3 500mg, yeast cell wall 8 000mg, sodium butyrate 50 000mg, moisture ≤99%. See literature.
DRENCH V32909
Indications: Vitamin, mineral, amino acid and gut health supplement. –O, Cap.
100ml, 1L, 5L, 10L, 20L
Dosage: Use as a drench, in feed, drinking water or top dress onto feed. Oral dosing: Lambs and kids under 25kg: 5ml. Lambs and kids over 25kg: 10ml. Adult sheep and goats: 20ml/50kg bm. Into drinking water: 60ml/100L cool drinking water. See literature.
P/I: Use only after establishing a copper deficiency. Do not use in areas where liver-related problems occur.
See also IDR page 744

OPTIPHOS® PLUS 10 000 CT, Huvepharma
An enzyme preparation of 6-phytase produced by *Komagataella phaffii*, having a min. activity of 10 000 FTU/g.
POWDER V33352
Indications: Zootechnical feed additive for use in feedstuffs containing more than 0,23% phytin-bound phosphorous. Improving the utilisation of other nutrient substances such as proteins, calcium, micro-elements and amino acids –P, Poultry.
25kg
Dosage: P: 50g/ton feed. Birds, poultry 50g/ton feed. Layers 25g/ton feed.

See also IDR page 384
OPTIPHOS® PLUS 10 000 G, Huvepharma
An enzyme preparation of 6-phytase produced by *Komagataella phaffii*, having a minimum activity of 10 000 FTU/g.
POWDER V32592
Indications: Zootechnical feed additive for use in feedstuffs containing more than 0,23 % phytin-bound phosphorous. Improving the utilisation of other nutrient substances such as proteins, calcium, micro-elements and amino acids. –P, Poultry.
25kg
Dosage: P: 50g/ton feed. Birds, poultry: 50g/ton feed. Layers: 25g/ton feed.

See also IDR page 385
ORTHOPLEX® PLUS, Bovasol (Afrivet)
Glucosamine HCL, MSM, chondroitin sulphate. Excipient QSP.
ORAL SOLUTION V20739
Indications: Mobility supplement for dogs and cats. For the nutritional maintenance of healthy cartilage and joints. –Can, F.
200ml

Dosage: Feeding Instructions: Mix well into the feed. Feed each dog/cat individually. A dosing pump is attached which dispenses 1ml. Feeding instructions for the first 30 days: Cats and small dogs up to 5kg: 2ml; medium dogs (5-15) 4ml; large dogs (15-30kg) 8ml; very large dogs (over 30kg) 12ml. Feeding instructions long-term: Cats and small dogs up to 5kg: 1ml; medium dogs (5-15) 2ml; large dogs (15-30kg) 4ml; very large dogs (over 30kg) 6ml.
See also IDR page 44

PETFLEX, V-Tech
Glucosamine sulphate 99%, 650mg, chondroitin sulphate 95% 500mg, methyl sulfonyl methane 1 250mg, zinc 4,5mg, manganese 5mg, copper 1,5mg, lysine 16mg, methionine 22mg, ascorbic acid 20mg/5g.
POWDER V14063
Indications: An aid in the maintenance of healthy joints and tendons. –Can.
100g, 450g
Dosage: 5-15g daily.

See also IDR page 779
PLUME-PLUS, Medpet
Sunflower oil, linseed oil, wheat germ oil, evening primrose oil, garlic oil and vit E acetate.
OIL V12799
Indications: Fatty acid supplement to aid feather condition and fertility. –Pigeons, Cage birds.
500ml
Dosage: Mix 5ml with 500g of seed or pigeon/bird food twice weekly.

PORCISTART™, Virbac
Hydrolyzed wheat protein 4,87%, whey protein 4,375%, soya oil 1,75%, pea protein 3,5%, lactose 2,8%, dextrose 2,45%, glycerine 2,1%, capric and caprylic acids 1,75%, maltodextrine 1,45%, propylene glycol 0,7%, yeasts and part thereof 0,788%, salts of butyric acid 0,175%, vitamins A 16 000iu, D3 2 000iu, E 160mg/kg, selenomethionine 0,25mg/kg,
GEL V31497
Indications: A highly palatable and digestible porridge formulation supplement for piglets from birth to 10 days old. –P.
5kg
Dosage: 10g gel/piglet/day, 100g over a period of 10 days. See literature.
See also IDR page 745

PROBIVET, Kyron Vet Rx
Each 5g sachet contains *Enterococcus faecium* 2,45 x 10⁹ CFU, *Lactobacillus acidophilus* 1,5 x 10¹⁰ CFU, *Mannan Oligosaccharide* (MOS) 0,25g, beta-glucans 0,15g, dextrose 3,98g.
POWDER V30518
Indications: Aids in the restoration and balance of intestinal microflora and increases nutrient uptake, enhancing the intestinal

immune system and reinforcing intestinal mucosa. –Can, F.
20
Dosage: Add to food or water for 10-15 days or until restoration is achieved. F: ½ sachet. Can: Small-medium dogs <20kg: ½ sachet; Large dogs >20kg: 1 sachet.

See also IDR page 460
PRO-LYTE WITH GLUTAMINE, Kyron Labs
Potassium chloride 0,15% sodium chloride 0,2% sodium citrate 0,25% glucose 2,7% glutamine 0,4% Protexin® probiotic 1,2 x 10⁷ CFU/ml when diluted with 50 ml water.
POWDER V23194
Indications: Fluid, electrolyte and probiotic replacement following diarrhoea.
20 (80g)
Dosage: Mix 1 sachet (20g) with 500ml water (or 1 x 80g sachets with 2L water) and give to animals as only source of fluid while under treatment. Discard after one day and prepare a fresh mixture.

See also IDR page 403
RIGLY® BIO-PROTEK, Stride
A combination of *Bifidobacterium bifidum*, *Bifidobacterium lactis*, *Lactobacillus acidophilus*, *Lactobacillus rhamnosus* and live *Saccharomyces cerevisiae* (micro-encapsulated).
LIQUID
Indications: A prophylactic dose for foals when diarrhoea is expected, plus to aid in preventing digestive upset. –E.
900ml
Dosage: Maintenance: 25ml 2 x daily. Intensive: 50ml 2 x daily
See also IDR page 679

RIGLY ENER-GEE, Stride
Maltodextrins, hexosans, trimethylglycine (TMG), L-carnitine.
INJECTION V23250
Indications: Assists the horses physiologically by supplementing the energy sources so that the horse's own resources can be spared. Provides both a rapid and a slower release of energy, to prevent insulin spikes and provide a sustained release of energy. Contains no ingredient that is forbidden or that could compromise a horse during competition. –E.
3 x 80g syringes
Dosage: Inject 1 x 80g shortly before a horse participates in competition.
See also IDR page 680

RIGLY GLUCOSAMINE, Stride
Glucosamine base 187,5mg/ml.
LIQUID V23134
Indications: Beneficial effects in arthritic cartilage. Mild inflammatory action. Management of osteoarthritis. –E.
1L, 2,5L, 5L
Prevention: Bm 450kg: 30ml daily. Over 545kg bm: 40ml daily. Discontinue treatment

if the horse shows little or no response after 30 days. Boost the horse's daily dosage for 2-3 days before heavy workouts or competitions. Continue dose level for 2-3 days after competition, then return to normal dose.
See also IDR page 680

RIGLY® MSM PLUS, Stride
MSM (Methyl-Sulfonyl-Methane) 200g/L, Echinacea (*Echinaceae purpurea*), Ginkgo (*Ginkgo biloba*), Wormwood (*Artemissia afra*), Yarrow (*Achillea millefolium*) 65g/L.
LIQUID V17043
Indications: A sulphur and herbal supplement for horses. –E.
250ml, 500ml, 1L and 2L
Dosage: Initial dose: 20-30ml/day for 7 days to reduce symptoms. Maintenance dose: 10-20ml/day.
See also IDR page 681

RIGLY® PROBIO-BOOSTER, Stride
A combination of *Saccharomyces cerevisiae*, plus *Clostridium butyricum*.
POWDER
Indications: A probiotic and prebiotic for supplementing horses, to assist in more efficient digestion and preserving digestive balance. –E.
2,5kg, 5kg
Dosage: 25g 2 x daily.
See also IDR page 681

SALMON OIL, Medpet
Docosahexaenioc acid 12ml, eicosapentanoic acid 8ml, vit E 100mg/100ml.
OIL V17413
Indications: Fatty acid supplement. –E, Can, F.
100ml
Dosage: Add oil to food. E: 1ml/30kg bm. Can: 1ml/5kg bm. F: 1ml/3kg bm.

SCRUMPETS, Bestvet
Moisture 45mg, protein 126mg, lysine 10mg, methionine 2,2mg, vits: A 400iu, D3 150iu, E 6,75mg, K 0,2mg, B1 0,4mg, B2 0,8mg, B6 0,3mg, B12 0,005mg, niacin 2,5mg, pantothenic acid 1,0mg, folic acid 0,05mg, biotin 0,02mg, calcium 2,6mg, phosphorus 4,2mg, lactobacillus 1,5 x 10⁹ CFU, *Saccharomyces* 1,5 x 10CF, garlic 22mg.
TABLETS V15258
Indications: Improves digestive health and overall condition. –Can.
90
Dosage: Small dogs 1 tablet/day; Medium dogs 2 tablets/day; Large dogs 3 tablets/day. Give as a chewing tablet or crush and sprinkle on food.
SEDOLINE, Huvepharma
Vegetable powders (*Crataegus monogyna*, *Passiflora incarnata*, *Valeriana officinalis*, *Humulus lupulus*, *Melissa officinalis*) and magnesium salts.
POWDER V33617

Indications: A complementary dietetic feed and in the reduction of density-related behavioural stress and aggressive behaviour. –P, Poultry.

20kg, 25kg

Dosage: Mix in feed and distribute. Piglets, fattening pigs: In case of aggressiveness and cannibalism: 1kg/ton feed, 2 days before and 2 days after grouping. Sows (hierarchy problems of sows/aggressive gilts): 10g/100kg bm/day, 2 days before and 2 days after grouping.

See also IDR page 390

STRIDE PSYLLIUM PLUS, Stride

Psyllium 123,7g, inulin (fructo-oligosaccharide) 1,25g/125g sachet.

POWDER V31516

Indications: Aids in the management of sand colic and sand associated diarrhoea. –E.

10 x 125g sachets, bucket with scoop: 1,25kg, 12,5kg

Dosage: Add to food. Acute sand colic: 1 x sachet/500kg bm 1 x daily for 10 days. Chronic sand colic: 1 x sachet/500kg bm 1 x daily for a min of 10 days. Prophylactic control in areas of high incidence of sand colic: 1 x sachet/500kg bm 1 x daily during times of high risk. Alternate day dosing may sometimes be effective.

P/I: Do not give to horses that are dehydrated. Ensure adequate fresh clean drinking water is available at all times.

See also IDR page 682

TANNIN BROWSE DRY, Antrovet AH

Polyethylene glycol (PEG) 935g, polyvinylpyrrolidone (PVP) 10g, calcium hydroxide 10g, molasses solids 35 g/kg.

POWDER V30442

Indications: Infeed and drinking water additive to assist the digestive process and nutrient utilisation in the dry season. –B, O, Cap, Gamae.

1kg, 4kg, 10kg, 20kg

Dosage: In water: Mix into water to achieve a 1-4g supplementation/animal/day. Take into consideration that cattle drink on average 20-30L water per day. In-feed: mix into feed to supplement 1-4g/animal/day.

See also IDR page 99

THRIVE P, Stride

Na-hydrogen montmorillonite 630,8g, maltase 700 – 0,25g: protease 0,25g, cellulase 0,25g/kg.

POWDER V16850

Indications: Aid to modify and enhance digestive processes. Prevent ‘grain intoxication’. Source of essential amino acids. –E.

5kg

Dosage: 60-120g/day.

See also IDR page 682

TOP GUT®, Huvepharma

Clostridium butyricum, minimum 5 x 10⁶ CFU/g.

POWDER V32266

Indications: Zootechnical feed additive, a gut flora stabilizer, to stimulate weight gain and feed conversion. –P, Poultry.

20kg, 25kg

Dosage: Broilers, layers, breeders and pigs: 500g/ton feed. Turkeys: 250g per ton feed.

See also IDR page 393

TOXIDEX, Virbac

Sodium aluminosilicate 800g/kg, silicic acid, vermiculite.

PREMIX V19899

Indications: Use as an additive to grains, meals, feed and other raw materials contaminated by mycotoxins. –B, O, P, Poultry.

25kg

Dosage: The dose depends on the contamination level of the cereal or meal. The usual dose is 1-5kg/ton feed to be treated.

See also IDR page 762

TOXIDEX PRIMUS, Virbac

Bentonite 550g, sepiolitic clay 250g, dl-methionine 1 100mg, silicic acid 100mg, selenium 22mg, almond hulls, ammonium sulphate, saccharomyces cerevisiae cells of which have been killed, flower of sulphur and calcium carbonate, up to 1kg.

Indications: Use to control mycotoxin contamination in feed as this is a mycotoxin control product. –All species.

25kg

Dosage: Use at a dosage ranging from 0,5-3kg/ton depending on the contamination.

C/I: If the additive is admin. via water for drinking, protein excess should be avoided. The simultaneous oral use with macrolides should be avoided. In poultry, the simultaneous use with robenidine should be avoided. Use breathing apparatus, monogoggles and protective gloves during the products manipulation.

See also IDR page 762

UCAPHOSCAL HP, Huvepharma

Phosphoric acid, monosodium phosphate, magnesium chloride, calcium chloride, magnesium hydroxide, ferric chloride, zinc acetate, manganese chloride, copper acetate, water.

LIQUID V33616

Indications: Dietetic feed contributing to bone mineralization and skeleton development. –Poultry, B, P, O, and rabbits.

1L, 5L, and 20L

Dosage: In drinking water or in feed. Admin. for 3-5 days. Poultry, rabbits: 1-2 ml/L of drinking water. Cattle: Adults 100 ml per day. Fattening cattle, young cattle 50ml per day. Calves 20ml per day. Sheep and goats: Adults 20ml per day. Lamb, kids 5ml per day. Pigs: Breeding and fattening pig 30ml per day. Weaned piglets 5ml per day.

W/T: All species 0 days.

C/I: Do not admin. pure.

WONDER IMMUNE POTENTIATOR, Bestvet

Tinospora cordifolia, *Phyllanthus emblica*, *Withania somnifera* (ashwagandha).

LIQUID V17536

Indications: To help maintain normal immune system functions, help promote immunity in response to vacc., sickness or whelping. –Can. 100ml

Dosage: Admin. orally, daily for 10 days or more. Pups, small dogs and cats 5ml; dogs and bitches 10ml; Vacc. pets: give during and after for 10 days; Sick and recuperating pets: treat for min of 10 days during and after sickness.

18. CHELATING AGENTS AND ANTIDOTES

19. BIOLOGICALS

Anthrax and Newcastle Disease are controlled diseases in terms of the Animal Diseases Act (Act 35/1984). The occurrence or suspicion of any of these diseases must be reported to the responsible State Veterinarian.

19.1. Horses

19.1.1. Live vaccines

AFRICAN HORSESICKNESS VACCINE, OBP

Polyvalent, live attenuated horsesickness virus.

VACCINE G116

Indications: Horsesickness. –E, Mules, Donkeys.

2 x 1 dose

Dosage: 2ml sc. Revacc. annually.

S/E: Transient febrile reaction.

C/I: Early pregnancy.

W/T: Meat 7 days.

P/I: Don't work excessively after inoculation.

ANTHRAX SPORE VACCINE, OBP

Glycerine susp. of avirulent *Bacillus anthracis*.

VACCINE G112

Indications: *Anthrax*. –B, E, Mules, Donkeys, O, Cap, P, Camels.

(3 x 10) 100ml

Dosage: Inoculate yearly. 1ml sc.

W/T: Meat 14 days.

C/I: Do not use concurrently with antibiotics.

P/I: Rest work animals for 7-10 days.

EQUILIS® PREQUENZA, Intervet SA (MSD Animal Health)

Purified haemagglutinin/neuraminidase subunits from equine influenza viruses: A/equine/Prague/1/56: 100 AU; A/equine/Newmarket/1/93: 50 AU; A/equine/Newmarket/2/93: 50 AU. Purified saponin (adjuvant) 375µg/ml.

VACCINE G3775

Indications: Immunisation against equine influenza. –E.

10 x 1ml pre-filled syringes.

Dosage: 1ml im. Horses not previously vacc.: Admin. 2 vacc. of 1 dose with a 4-week interval. First revacc: 5 months later; second revacc: 12 months after the first revacc. Foals: Vacc. from 6 months.

S/E: A transient swelling may occur regressing within 2 days. Fever may occur.

See also IDR page 517

EQUILIS® PREQUENZA TE, Intervet SA (MSD Animal Health)

Purified haemagglutinin/neuraminidase sub-units from equine influenza viruses: A/equine/Prague/1/56: 100 AU; A/equine-Newmarket/1/93: 50 AU; tetanus toxoid 40 Lf/ml.

VACCINE G3774

Indications: Immunisation against equine influenza and tetanus. –E.

10 x 1ml pre-filled syringes

Dosage: 1ml im. Foals: vacc. from 6 months. See literature.

S/E: A transient swelling may occur regressing within 2 days. Fever may occur.

Note: Can be used in pregnant mares.

See also IDR page 518

PROTEQFLU, Boehringer

Influenza A/equi-2/Kentucky/94 [H3N8] recombinant Canarypox virus (vCP 1529), Influenza A/equi-2/Newmarket/2/93 [H3N8] recombinant Canarypox virus (vCP 1533). Solvent adjuvant: carbomer 4mg/ml.

VACCINE G3435

Indications: Immunisation of horses 4 months and older against equine influenza to reduce clinical signs and virus excretion after infection. Onset of immunity: 14 days after primary vacc. course. Duration of immunity: 5 months after vacc. course and 1 year after 3rd vacc. –E.

Dosage: 1ml im in the neck region. Primary vacc. course: 1st inj. from 5-6 months of age, 2nd inj. 4-6 weeks later. Revacc.: 5 months later followed by annual booster injections.

P/I: A transient swelling, which regresses within 4 days may appear at the injection site. Pain and local hyperthermia in rare cases. A max. increase of 1,5°C in temperature may occur for 1 or 2 days.

See also IDR page 152

PROTEQFLU-TE, Boehringer

Influenza A/equi-2/Kentucky/94 [H3N8] recombinant Canarypox virus (vCP 1529), influenza A/equi-2/Newmarket/2/93 [H3N8] recombinant Canarypox virus vCP 1533). Solvent active substance: *Clostridium tetani* toxoid 30iu/ml. Adjuvant: carbomer 4mg/ml.

VACCINE G3436

Indications: Immunisation of horses 4 months and older against equine influenza to reduce clinical signs and virus excretion

after infection and against tetanus to prevent mortality. Onset of immunity: 14 days after primary vacc. course. Duration of immunity: 5 months after vacc. course and 1 year after 3rd vacc. –E.

Dosage: 1ml im in the neck region. Primary vacc. course: 1st inj. from 5-6 months of age, 2nd inj. 4-6 weeks later. Revacc.: 5 months later followed by annual booster injections.

P/I: A transient swelling, which regresses within 4 days may appear at the injection site. Pain and local hyperthermia in rare cases. A max. increase of 1,5°C in temperature may occur for 1 or 2 days.

See also IDR page 153

PROTEQ WEST NILE™, Boehringer

Recombinant canarypox – West Nile virus (vCP2017) ≥6,0 log₁₀ CCID50/ml. A live-vectored vaccine strain.

VACCINE G4025

Indications: Active immunisation of horses from 5 months of age against West Nile disease by reducing the number of viraemic horses. Reduces duration and severity of clinical signs. Onset of immunity: 4 weeks after the 1st dose of the primary vacc. course. –E.

1, 2, 5, 10 vials of 1 dose

Dosage: Admin. 1 dose of 1ml im, preferably in the neck region. Primary vacc. course: 1st injection from 5 months of age, 2nd injection 4-6 weeks later. Revacc.: annual booster injection with a single dose. Use immediately after opening.

See also IDR page 151

19.1.2. Inactivated vaccines

BOTULISM (LAMSIEKTE) VACCINE, OBP

Formalinised AIOH3 adsorbed toxoid of *Cl.botulinum* types C and D.

VACCINE G111

Indications: Botulism (lamsiekte). –B, E, Mules, O, Cap.

(3 x 10) 100ml

Dosage: E, mules: 2ml sc. Admin. 2 x with 4-7 week interval. Revacc. annually.

W/T: Meat 7 days.

BOTUVAX®, Intervet SA (MSD Animal Health)

Formalinized, alum precipitated *Cl. botulinum* types C1 + 2 and D toxoids.

VACCINE G2193

Indications: Botulism. –B, E, O, Cap. 100ml

Dosage: B, E: 2ml sc. O, Cap: 1ml sc. Refer to literature.

W/T: Meat 7 days.

See also IDR page 475

DUVAXYN WNV, Zoetis

Inactivated West Nile virus strain VM-2.

VACCINE G4071

Indications: Immunisation of healthy horses of 6 months of age or older against West Nile virus disease. Immunity onset: 3 weeks. Immunity duration: 12 months. –E.

2 x 1 ml prefilled syringes

Dosage: See literature for full instructions for use.

C/I: Do not vacc. animals intended for slaughter for human consumption.

P/I: Can be used during pregnancy and lactation.

See also IDR page 827

EQUIVAC® EHV-1/4, Zoetis

A killed vacc. containing Equine Herpes Virus type 1 (EHV-1) and type 4 (EHV-4).

VACCINE G3428

Indications: An aid in the prevention of equine rhinopneumonitis due to EHV type 1 and EHV type 4 viruses. –E.

10 x 1ml doses per vial. 10 x 10 doses per carton

Dosage: 1ml deep im/animal followed by a 2nd vacc. 3-4 weeks after the first dose. Admin. annual booster.

W/T: Meat 21 days.

See also IDR page 830

★ **NOBIVAC® RABIES, Intervet SA (MSD Animal Health)**

Inactivated culture of Rabies virus, cloned out of a strain of Pasteur RIV with a potency of >2,0iu.

VACCINE G2207

Indications: Immunisation against rabies. –E, B, O, Cap, Can, F.

1 and 10 doses

Dosage: 1ml sc. See literature.

P/I: Do not freeze.

See also IDR page 596

PNEUMABORT K+1B, Zoetis

Killed virus vacc. containing formaldehyde inactivated equine herpes virus 1p and 1b (equine rhinopneumonitis or rhinotracheitis virus) in combination with an oil adjuvant.

VACCINE G1752

Indications: Aids in the prevention of respiratory disease caused by the EHV 1p and EHV 1b viruses as well as an aid in pregnant mares for the prevention of abortion due to the EHV 1 virus infection. –E.

20ml (10 doses)

Dosage: 2ml im. Adult horses with unknown vacc. history: 3 vacc. 4-6 weeks apart. Pregnant mares: 2ml im in 5th, 7th and 9th month of gestation. Stallions and teasers: Before the start of the breeding season. Foals: 1st vacc. at 4-6 months of age, 2nd vacc. 4-6 weeks later and 3rd vacc. at 10-12 months of age. Re-vacc. every 6 months after the primary series. See literature.

See also IDR page 853

RABISIN, Boehringer

Inactivated adjuvanted rabies vaccine.

VACCINE G1250

Indications: Rabies. –Can, F, E, B, O, Cap, Game.
1 x 10 doses
Dosage: E: 1ml sc/im. Primary: From 4 months of age. If born to vacc. mothers, vacc. at 9 months only. Booster: 1 year later, then every 3 years.
See also IDR page 154

TETANUS VACCINE, OBP

Formalinised, AIOH3 adsorbed toxoid of *Cl.tetani*.
VACCINE G115
Indications: Tetanus. –B, E, O, Cap, P, Can. 3 x 10 doses
Dosage: 1ml im. annual booster.
Refer to literature.
W/T: Meat 7 days.

WIREVAX, Afrivet

Haemonchus contortus antigen 5µg/ml.
VACCINE G4200
Indications: Aid in the control of wireworm. –O.
Dosage: Sheep of any age and lambs over 3 weeks: Inject 1ml sc, preferably using the inside of the thigh as the injection site. Admin. 3 injections at intervals of 3-4 weeks. Booster at 6 week intervals. See literature.
P/I: It is important that sheep vacc. with Wirevax do not share their pasture with unvacc. animals. Do not move vacc. animals onto pasture recently grazed by unvacc. sheep.
See also IDR page 55

19.2. Ruminants

19.2.1. Live vaccines

AFRICAN REDWATER FOR CATTLE, OBP

Frozen *Babesia bigemina* infective bovine blood.
VACCINE G1175
Indications: African redwater. –B. 5 doses
Dosage: 1ml im. Refer to literature.
S/E: Anaemia and fever.
C/I: Pregnancy – animals may abort.
W/T: Meat 7 days.
P/I: Avoid any form of stress.

ANAPLASMOSIS, OBP

Frozen *Anaplasma centrale* infective bovine blood.
VACCINE G1106
Indications: Anaplasmosis (Tick-borne gallisickness). –B. 5 doses
Dosage: 1ml im. Refer to literature.
S/E: May cause anaemia and fever.
C/I: Pregnancy – animals may abort.
W/T: Meat 7 days.
P/I: Avoid stress.

ANTHRAX, OBP

Glycerine susp. of avirulent *Bacillus anthracis*.
VACCINE G112
Indications: Anthrax. –B, E, Mules, Donkeys, O, Cap, P, Camels.
C/I: Do not use concurrently with antibiotics.
P/I: Rest work animals for 7-10 days.

INJECTION G2064

Indications: Anthrax. –B, Cap, O. 100ml
Dosage: B: 1ml sc. O, Cap: 0,5ml sc.
C/I: Do not use concurrently with antibiotics.
See also IDR page 469

ASIAN REDWATER, OBP

Frozen *Babesia bovis* infective bovine blood.
VACCINE G1176
Indications: Asiatic redwater (*Babesia bovis*). –B. 5 doses
Dosage: 1ml im.
S/E: Anaemia and fever.
C/I: Pregnancy – animals may abort.
W/T: Meat 7 days.
P/I: Avoid any form of stress.

BEF-TECT, Vetvax (Design Biologix)

10⁴ TCID₅₀ of freeze-dried live attenuated bovine ephemeral fever virus/2ml.
VACCINE G4365
Indications: Immunisation of cattle for protection against ephemeral fever/3-day stiff sickness disease. –B. 20ml, 100ml
Dosage: 2ml reconstituted vacc. sc in the side of the neck. Admin. 2ml booster 3-4 weeks later. An annual revacc. and booster should be given to dairy cows, bulls and beef herds before the BEF outbreak season.
W/T: Meat 21 days.
P/I: Safe for use in cows in all stages of pregnancy.

BLANTHRAX®, Intervet SA (MSD Animal Health)

Suspension of living spores of an unencapsulated avirulent strain (Sterne 34F2) of *Bacillus anthracis* in alum-precipitated *Clostridium chauvoei* vacc.
VACCINE G1593
Indications: Anthrax, blackquarter. –B, Cap, O. 150ml (75 doses)
Dosage: 2ml sc. Refer to literature.
C/I: Do not use concurrently with antibiotics.
See also IDR page 473

BLUE TONGUE VACCINE, OBP

Live attenuated blue tongue virus strains.
VACCINE G358
Indications: Blue tongue. –O. 100 doses
Dosage: 3 separate injections. 1st A;

3 weeks later B; 3 weeks later C. 1ml sc. Vacc. annually.
W/T: Meat 7 days.
P/I: First half of pregnancy. Refer to literature.

BOTU-SURE + ANTHRAX, Kyron AH

Clostridium botulinum types C and D toxoids and *Bacillus anthracis* 34F2 strain active spores. Contains toxoids obtained from cultures of *Clostridium botulinum* type C and type D, and living spores of an unencapsulated avirulent strain (Sterne 34F2) of *Bacillus anthracis*.
VACCINE G4258
Indications: Anthrax, botulism –B, O. 50ml, 100ml
Dosage: Shake well before use. B: 4ml sc. Vacc. calves at 4-6 months of age. O: 2ml sc. Immunity is established within 3-4 weeks of inoculation and lasts for at least 1 year. See literature.
W/T: Meat 21 days.
C/I: Do not admin. antibiotics for 7 days before and after vacc.
See also IDR page 409

BOTUTHRAX, Intervet SA (MSD Animal Health)

Inactivated alum precipitated toxoids obtained from cultures of highly toxigenic strains of *Clostridium botulinum* types C and D and a suspension of living spores of an unencapsulated avirulent strain (Sterne 34F2) of *Bacillus anthracis*.
VACCINE G3783
Indications: Immunisation against botulism and anthrax. –B, O, Cap. 100ml vials
Dosage: 2ml sc. B: Vacc. at 6 months and annually thereafter. O, Cap: Vacc. at 4-6 months and annually thereafter.
W/T: Meat 14 days.
C/I: Do not admin. antibiotics for several days before and at least 15 days after vacc.
See also IDR page 474

BOTUVAX®, Intervet SA (MSD Animal Health)

Clostridium botulinum types C 1 + 2 and D toxoids.
VACCINE G2193
Indications: Immunisation against botulism. –E, B, O, Cap. 100ml multi-dose bottle
Dosage: E, B: 2ml sc; O,Cap: 1ml sc. See literature.
W/T: Meat 7 days.
See also IDR page 475

BOVELA®, Boehringer

Modified live BVDV-1, non-cytopathic, parent strain KE-9: At least 1x 10^{4.0} OTCID₅₀; maximum: 1x 10^{6.0} OTCID₅₀/2ml. Modified live BVDV*-2, non-cytopathic, parent strain NY-93: At least 1x 10^{4.0} TCID₅₀; maximum: 1 x 10^{6.0} TCID₅₀/2ml.
VACCINE G4283

Indications: For active immunisation of calves from 3 months of age to reduce hyperthermia and to minimise the reduction of leukocyte count caused by Bovine Viral Diarrhoea virus (BVD-1 and BVD-2), and to reduce virus shedding and viraemia caused by BVDV. For active immunisation of cattle against BVD-1 and BVD-2, to prevent the birth of persistently infected (PI) calves caused by transplacental infection. –B.
Dosage: Admin. as a single 2ml im injection. Protection starts 3 weeks after vacc. and lasts for 1 year. To prevent the birth of a PI calf admin. the vacc. at least 3 weeks before insemination/breeding. See literature.
W/T: Meat 21 days.
C/I: The vacc. is not intended for bulls.
See also IDR page 107

BOVILIS® VISTA 5 L5 SQ, Intervet SA (MSD Animal Health)

IBR ≥10^{3.8} TCID₅₀, BVD Type 1 ≥10^{3.8} TCID₅₀, BVD Type 2 ≥10^{4.5} TCID₅₀, PI3 ≥10^{5.1} TCID₅₀, BRSV ≥10^{3.8} TCID₅₀.
VACCINE G4336
Indications: Use prior to breeding to reduce abortion due to IBR; prevent foetal infection, including persistently infected calves caused by BVD Types 1 and 2. Reproductive duration of immunity (DOI) has been demonstrated to be at least 217 days for IBR and at least 206 days for BVD (Types 1 and 2). Use to prevent disease caused by IBR, BVD (Type 2) and BRSV; control disease caused by BVD (Type 1) and PI3; prevent leptospirosis caused by *Leptospira canicola*, *L. grippityphosa*, *L. hardjo* (including the *L. borgpetersenii* serovar *hardjo bovis*), *L. icterohaemorrhagiae*, and *L. pomona*; prevent urinary shedding of *L. hardjo* organisms. Respiratory duration of immunity (DOI) has been demonstrated to be at least 182 days for IBR, at least 206 days for BVD Type 1 and at least 200 days for BVD Type 2. –B. 5, 10, 50, 100 doses
Dosage: Inject 2 ml sc 14-60 days prior to breeding to healthy cattle 6 months of age or older. Annual revacc. See literature.
W/T: Meat 21 days.
C/I: Do not mix with any other vacc., immunological product or other medication. See literature for use during pregnancy and lactation.
P/I: If an anaphylactic reaction occurs, treat with epinephrine.

See also IDR page 477

BOVILIS® VISTA ONCE PMH SQ, Intervet SA (MSD Animal Health)

Mannheimia haemolytica ≥6 x 10⁶ CFU, *Pasteurella multocida* ≥6 x 10⁶ CFU/2ml. Residual streptomycin remaining after growth and deterioration is included at ≤400 µg/dose as a necessary growth factor. –B.

VACCINE G3765

Indications: For the prophylactic use in cattle, 3 months of age and older, as an aid in the control of respiratory disease caused by *Mannheimia aemolytica* and *Pasteurella multocida*. 10ml, 20ml, 100ml, 200ml.
Dosage: 2ml sc in cattle 3 months of age or older. Revacc. annually.
W/T: Meat 21 days.
C/I: Do not mix with any other vacc. or immunological product.
P/I: If an anaphylactic reaction occurs, treat with epinephrine. Do not contaminate rivers, dams or any water sources with containers or waste.
See also IDR page 479

BOVILIS® VISTA ONCE SQ, Intervet SA (MSD Animal Health)

Modified live cultures of Bovine Rhinotracheitis (IBR) virus, Bovine Virus Diarrhoea (BVD) virus (Type 1 and 2), parainfluenza-3 virus (PI3), Bovine Respiratory Syncytial Virus (BRSV) and avirulent live cultures of *Mannheimia haemolytica* and *Pasteurella multocida*.
VACCINE G4061
Indications: For the vacc. of healthy cattle, 3 months of age and older, as an aid in the prevention of respiratory disease caused by Infectious Bovine Rhinotracheitis (IBR) virus, Bovine Virus Diarrhoea (BVD) type 1 and 2 and Bovine Respiratory Syncytial Virus (BRSV); and as an aid in the control of disease caused by Bovine Virus Diarrhoea (BVD) virus, parainfluenza 3 (PI3) virus, *Mannheimia haemolytica* and *Pasteurella multocida*. –B. 5, 10, 50 and 100 doses
Dosage: Inject 2ml of vacc. sc to healthy cattle 3 months of age or older. Annual revacc. is recommended. See literature.
W/T: Meat 21 days.
P/I: Safe for use in pregnant heifers and cows, or calves nursing pregnant cows, provided the cows and heifers in the herd are vacc. prior to breeding, within the previous 12 months, with any of the modified live IBR and BVD containing vacc.(s) in this product line.
See also IDR page 478

BOVI-SHIELD® GOLD 5, Zoetis

Modified live strains of IBR, BVD (Type 1 and 2), PI3 and BRS viruses.
VACCINE G3675
Indications: An aid in preventing disease caused by infectious bovine rhinotracheitis virus, bovine viral diarrhoea, parainfluenza3 virus and bovine respiratory syncytial virus. –B. 10, 50 dose vials
Dosage: 2ml im followed by a booster dose 3-4 weeks later. Vacc. annually.
W/T: Meat 21 days.
P/I: Do not use in pregnant cows unless they were vacc. in the past 12 months with

any Bovi-Shield® Gold FP vacc. Do not use in calves nursing pregnant cows unless their dams were vacc. in the past 12 months with any Bovi-Shield® Gold FP vacc.
See also IDR page 788

BOVI-SHIELD® GOLD FP5, Zoetis

MLV strains of IBR, BVD (Types 1 and 2), PI3, and BRSV propagated on an established cell line.
VACCINE G3837
Indications: As an aid in preventing persistently infected calves caused by Bovine Virus Diarrhoea (BVD) virus Types 1 and 2 and as an aid in preventing abortion caused by Infectious Bovine Rhinotracheitis (IBR, bovine herpesvirus Type 1) virus; fetal infection caused by BVD Types 1 and 2; respiratory disease caused by IBR, BVD Types 1 and 2, parainfluenza3 (PI3) and Bovine Respiratory Syncytial Virus (BRSV); and BVD Type 2 testicular infection. A 12-month duration of immunity has been demonstrated against IBR-induced abortion and persistently infected calves caused by BVD Types 1 and 2. See approved package insert. –B.
Dosage: Primary vacc.: Admin. a single 2ml dose to all breeding cows and heifers approx. 1 month prior to breeding. See literature. Revacc.: Annual revacc. with a single dose.
W/T: Meat 21 days.
P/I: Do not use in pregnant cows (abortions can result) unless they were vacc., according to label directions, with any Bovi-Shield® GOLD FP vacc. within the past 12 months.
See also IDR page 789

BOVI-SHIELD® GOLD ONE SHOT™, Zoetis

Bovine rhinotracheitis-virus diarrhoea parainfluenza3-respiratory syncytial virus vacc. Modified live virus *Mannheimia haemolytica* toxoid.
VACCINE G4353
Indications: Prevention of respiratory disease caused by Infectious Bovine Rhinotracheitis (IBR) virus and viraemia caused by Bovine Virus Diarrhoea (BVD) virus Types 1 and 2; and as an aid in preventing respiratory disease caused by BVD virus Types 1 and 2, parainfluenza3 (PI3) virus and Bovine Respiratory Syncytial Virus (BRSV); and bovine pneumonia caused by *Mannheimia haemolytica* type A1. A duration of immunity of at least 9 months has been demonstrated against IBR and BVD virus Types 1 and 2 respiratory disease. –B. 5, 10, 50 doses
Dosage: 2 ml dose/animal in neck. Calves vacc. before the age of 6 months should be revacc. after 6 months of age or at weaning. Revacc. annually.
W/T: Meat 21 days.
C/I: Do not use in pregnant cows (abortions can result) unless they were vacc., according to label directions, with any Bovi-Shield®

Gold FP vacc. within the past 12 months. Do not use in calves nursing pregnant cows unless their dams were vacc. within the past 12 months as described above. To help ensure safety in pregnant cattle, heifers must receive at least 2 doses of any Bovi-Shield® GOLD FP with the 2nd dose approx. 30 days pre-breeding.

P/I: Use the entire contents when first opened.

See also IDR page 789

BOVI-TECT III, Intervet SA (MSD Animal Health)

Cell free supernatant of *Mannheimia haemolytica* serotype 1/17 leukotoxin and modified live IBR and BVD viruses.

VACCINE G3211

Indications: Use in feedlot cattle only. Control of bovine respiratory diseases associated with *Mannheimia haemolytica* related pneumonia, IBRV and BVDV. –B.

100ml container + 7ml glass vial

Dosage: 1ml of the combination vacc. sc. Admin. booster after 10-14 days. Use Bovi-Tect PI for booster.

P/I: For use in feedlot cattle only, from 3 months of age.

See also IDR page 480

BOVI-TECT PI, Intervet SA (MSD Animal Health)

Cell free supernatant of *Mannheimia haemolytica* serotype 1/17 leukotoxin and modified live IBR.

VACCINE G3001

Indications: *Mannheimia haemolytica* vacc. for feedlot cattle, used in conjunction with Infectious Bovine Rhinotracheitis (IBR). –B. 100ml (10ml; 7ml)

Dosage: 1ml sc per head of combined vacc. Booster vacc. after 10-14 days.

P/I: For use in feedlot cattle only.

See also IDR page 481

B-PHEMERAL, OBP

Freeze-dried, live attenuated ephemeral fever virus.

VACCINE G1283

Indications: For the prophylactic immunisation of cattle against ephemeral fever/three-day-stiffness. –B. 10, 50 doses

Dosage: 2ml sc. Used in conjunction with applying insect control measures for *Culicoides* midges. Vacc. annually.

W/T: Meat 7 days.

BRUCELLA REV 1 FOR SHEEP AND GOATS, OBP

Live *B. melitensis* Rev 1 bacteria.

VACCINE G125

Indications: O: *B. ovis*. Cap: *B. melitensis*. –O, Cap.

(5) 50 doses

Dosage: *B. ovis*: Ram lambs: 2ml sc at 2-4 months old. *B. melitensis*: Ram, ewe lambs, kids: 2ml sc at 2-4 months old.

C/I: Pregnant animals, as abortions may result. Potentially harmful to man.

W/T: Meat 3 months.

BRUCELLA S19 FOR CATTLE, OBP

Live *B. abortus* strain 19 bacteria.

VACCINE G101

Indications: Brucellosis. –B.

20 doses

Dosage: Heifers 4-8 months: 5ml sc.

C/I: Heifers over 8 months of age.

W/T: Meat 21 days.

P/I: Potentially harmful to man.

BRU-TECT REV 1, Vetvax (Design Biologix)

A lyophilised vacc. containing live attenuated *Brucella melitensis* Rev 1. Each 2ml (1 dose) of reconstituted vacc. contains 5 x 10⁹ CFU/dose – 2 x 10⁹ CFU/dose.

VACCINE G4497

Indications: A lyophilised vacc. containing live attenuated *B. melitensis* Rev 1 for the prevention of ovine and caprine brucellosis. Prophylactic immunisation against *B. ovis* infection (epididymitis, orchid-epididymitis and infertility) is indicated for ovine ram lambs only. Prophylactic immunisation against *B. melitensis* infection is indicated for ovine lambs and caprine kids of both sexes. –Cap, O.

20ml

Dosage: *B. ovis*: Single 2ml sc on the side of the neck only, in ovine ram lambs only, between 2-4 months of age. Goats do not develop *B. ovis* infections and should not be vacc. for this purpose. Do not use in male animals older than 4 months. *B. melitensis*: Single 2ml sc on the side of the neck only, in ovine lambs and caprine kids of both sexes, between 2-4 months of age. Vacc. against *B. melitensis* is not common practice as the disease is not widespread within the country.

W/T: Meat 21 days.

C/T: Antibiotics should not be given for several days before and after vacc.

BRU-TECT S19, Vetvax (Design Biologix)

A lyophilised vacc. containing live attenuated *Brucella abortus* S19. Each 2ml (1 dose) of reconstituted vacc. contains 5 x 10¹⁰ CFU/dose – 1 x 10¹¹ CFU/dose.

VACCINE G4496

Indications: A lyophilised vacc. containing live attenuated *B. abortus* S19 for the prevention of bovine brucellosis (contagious abortion). Do not use in pregnant animals. –B. 20ml, 100ml

Dosage: 20ml pack size: Draw up 2-3ml

of the Bru-tect S19 diluent component from the 20ml vial and inject into the 7ml glass vial containing the live attenuated *B. abortus* S19 lyophilised component. Ensure the pellet is dissolved. Aspirate contents gently and TRANSFER BACK into the 20ml diluent vial. Mix gently to distribute the

bacterial suspension evenly throughout the liquid. 100ml pack size: Draw up 2-3ml of the Bru-tect S19 diluent component from the 100ml vial and inject into the 7ml glass vial containing the live attenuated *B. abortus* S19 lyophilised component. Aspirate contents gently and TRANSFER BACK into the 100ml diluent vial. Mix gently to distribute the bacterial suspension evenly throughout the 100ml liquid. –B.

W/T: Meat 21 days.

C/T: Use the entire content of the vial within 2 hours of reconstitution. Antibiotics should not be given for several days before and after vacc.

CALF PARATYPHOID LIVE, OBP

Avirulent strain of *Salmonella* Dublin.

VACCINE G114

Indications: Paratyphoid. –B.

2 doses

Dosage: Calves: 5ml sc at 7-10 days and 3 weeks.

S/E: Febrile reaction.

W/T: Meat 7 days.

P/I: Do not treat with antibiotics or nitrofurans for 8 days before and 14 days after vaccination.

CATTLEMASTER 4, Zoetis

Freeze-dried chemically altered strains of IBR and PI3 viruses and modified live BRSV plus a liquid of inactivated cytopathic and noncytopathic BVD virus strains to enhance the immune response.

VACCINE G2016

Indications: IBR, BVD, Parainfluenza3, BRSV including pregnant cows. –B.

25 doses

Dosage: 2ml im. 2 x doses, 3-4 weeks apart. Revacc. annually.

W/T: Meat 21 days.

P/I: If anaphylaxis or hypersensitivity occur, admin. adrenaline or equivalent.

See also IDR page 791

CEVAC® CHLAMYDIA, Ceva AH

Live attenuated Chlamydia abortus strain 1B.

VACCINE G3843

Indications: An aid in the prevention of enzootic abortion caused by *Chlamydia abortus* infection. –O.

10 (20, 25, 50, 100) doses plus diluents

Dosage: 2ml sc. Vacc. ewe lambs intended for breeding from 5 months of age. Vacc. shearlings and older ewes during the 4-month period before mating. Revacc. after 2 years.

W/T: Meat 21 days.

C/I: Do not vacc. sheep less than 4 weeks before mating, pregnant sheep or sheep which are being treated with antimicrobials, particularly tetracyclines.

P/I: Vacc. should not be handled by pregnant women, women of child-bearing age or immune-suppressed persons.

See also IDR page 188

SCIENTIFICALLY PROVEN

EXTRA Protection against the most deadly diseases in cattle

Clostrivax B+ is the only 10 antigen multi-clostridial formulation that protects against ANTHRAX & BOTULISM in cattle; and *Mannheimia haemolytica* leukotoxin that causes bovine respiratory disease.

Clostrivax B+
Reg. No. G4484 (Act 36/1947)

Clostrivax B+ is an adjuvanted multi-component vaccine for the active immunisation of cattle against diseases caused by *Clostridium perfringens* type A ((enterotoxaemia, gas gangrene, sudden death syndrome), *C. botulinum* types C and D (botulism), *C. novyi* type A (swelled head), *C. novyi* type B (black disease, infectious necrotic hepatitis), *C. chauvoei* (black leg, black quarter), *C. sordellii* (sudden death syndrome), *C. septicum* (malignant oedema, braxy), *Mannheimia haemolytica* type A1 (pneumonia) and live unspore-forming avirulent spores of *Bacillus anthracis* Sterne 34F2.

REGISTRATION HOLDER: Vetvax (Pty) Ltd, Reg. No. 2004/035302/07 | MANUFACTURER: Design Biologix CC, Reg. No. 1992/028856/23

ANIMAL VACCINES MANUFACTURER

www.designbio.co.za

Design Biologix

CLOSTRIVAX B+, Vetvax (Design Biologix)

Anthrax is a controlled disease in terms of the Animal Diseases Act (Act No. 35 of 1984) and any suspicion or confirmation of the disease must be reported to the responsible state veterinarian immediately. Contains toxoids from *Clostridium perfringens* type A, *C. botulinum* types C and D, *C. novyi* types A and B, *C. sordellii*, *C. septicum*, *Mannheimia haemolytica* type A1 leukotoxin, formalin-inactivated *C. chauvoei* anacultures and live uncapsulated avirulent spores of *Bacillus anthracis* Sterne 34F2.

VACCINE G4484
Indications: The active immunisation of cattle against diseases caused by *C. perfringens* type A (enterotoxaemia, gas gangrene, sudden death syndrome), *C. botulinum* types C and D (botulism), *C. novyi* type A (swelled head), *C. novyi* type B (black disease, infectious necrotic hepatitis), *C. chauvoei* (black leg, black quarter), *C. sordellii* (sudden death syndrome), *C. septicum* (malignant oedema, braxy), *M. haemolytica* type A1 (pneumonia) and *B. anthracis* (anthrax). –B.

Dosage: 2ml sc on the side of the neck. Admin. 2ml booster 3-4 weeks later with either Clostrivax B+ or Clostrivax B. Annual revacc. Vacc. previously sensitised cows 2-6 weeks before calving. This provides passive protection to the calf, via colostrum, for up to 8 weeks.
W/T: Meat 21 days.
C/I: Antibiotics should not be given simultaneously with the vacc. or for several days before and after vacc. Do not vacc. calves under 2 months of age.
P/I: Safe for use in pregnant cows and in lactation.

COVEXIN® 8 + BOTULISM, Intervet SA (MSD Animal Health)

Contains bacterins and toxoids of *Clostridium* spp., i.e., *C. septicum*, *C. novyi* type B, *C. botulinum* type C, *C. botulinum* type D, *C. perfringens* type C, *C. perfringens* type D, *C. tetani*, *C. sordellii*, *C. chauvoei*.

VACCINE G4207
Indications: Immunisation of animals >2 months of age against enterotoxaemia, haemorrhagic enteritis, blackleg, malignant oedema (gas gangrene), lamb dysentery, infectious necrotic hepatitis (black disease), pulpy kidney disease, sudden death syndrome, tetanus and botulism. –B, O.

Dosage: Shake well before and during use. Animals >2 months of age: B: 5ml sc. Repeat 5ml sc dose after 4 weeks. O: 3ml sc. Repeat 3ml sc dose after 4 weeks. Revacc. annually. See literature.
W/T: Meat 21 days.

P/I: Not a substitute for the supplementary feeding of phosphorus. Avoid vacc. of stressed animals.

See also IDR page 503

DECA-SURE, Kyron AH

Purified and concentrated toxoids of *Clostridium perfringens* Type A (enterotoxaemia, haemorrhagic enteritis), *Clostridium perfringens* Type B (lamb dysentery), *Clostridium perfringens* Type C (necrotic enteritis), *Clostridium perfringens* Type D (enterotoxaemia/ pulpy kidney disease), *Clostridium septicum* (malignant oedema), *Clostridium novyi* Type B (infectious necrotic hepatitis), *Clostridium tetani* (tetanus), *Clostridium sordellii* (sudden death syndrome/haemorrhagic enteritis), *Clostridium chauvoei* (black leg/black quarter) and *Clostridium novyi* Type D (bacillary haemoglobinuria).

VACCINE G4280
Indications: Combined 10 in 1 clostridial vacc. –B, O.

Dosage: B: 5ml sc in the front of the neck. O: 3ml sc in the axillary region, where the wool is short, or on the inside of the thigh. Do NOT inject in the neck area. Vacc. pregnant animals in the last trimester in order to ensure passive immunity in the offspring.
W/T: Meat 21 days.
C/I: Do not mix vacc. with any other medication.
P/I: Estimated immunity is conferred 20-28 days after 1st vacc. Repeat vacc. in naïve animals, 28-30 days after the 1st vacc. Estimated duration of immunity after last vacc. is 1 year and estimated duration of immunity 28-30 days after vacc. is 1 year.
See also IDR page 416

DIOMEK PLUS, Kyron Vet Rx

Diosmectite 400mg/ml, Mannan-Oligosaccharides (MOS) 200mg/ml, dextrose 250mg/ml. L-glutamine, potassium chloride, sodium chloride, magnesium chloride.

PASTE V26532
Indications: A nutritional aid that assists in normalising the digestive system in dogs and cats with diarrhoea. –Can, F.

Dosage: Admin. 2 x daily directly into the animal's mouth for 3 days. Can & F under 5kg

bm: 2ml. Can & F 5-15kg bm: 3ml. Can 15-30kg bm: 5ml. Can 30kg+: 7ml.

See also IDR page 418

HEARTWATER INFECTIVE BLOOD, OBP

Ehrlichia ruminantium (ball 3 strain) infected ovine blood.
VACCINE G106
Indications: Heartwater. –B, O, Cap. 3 doses
Dosage: 3ml slow iv.
S/E: Shock may occur.
C/I: Pregnancy.
W/T: Meat 28 days.

INFORCE 3, Zoetis

Bovine Rhinotracheitis (IBR)-parainfluenza3 (PI3)-Respiratory syncytial virus (BRSV) vacc. Modified live virus.

VACCINE G4044
Indications: Prevention of respiratory disease caused by BRSV and as an aid in preventing respiratory disease caused by IBR and PI3. For intranasal use only. –B. 10 and 50 dose vials with 20 and 100ml sterile diluent provided.

Dosage: 2ml intranasally (in) using a cannula or a syringe with the needle removed. Place ½ the dose (1ml) in each nostril. Calves vacc. before the age of 6 months should be revacc. after 6 months of age to avoid possible maternal antibody interference with immunisation. Annual revacc. with a single dose.
W/T: Meat 21 days.

See also IDR page 839

LUMPY SKIN DISEASE, OBP

Live attenuated virus (Neethling strain).
VACCINE G0110
Indications: Lumpy skin disease. –B. 50 doses
Dosage: B: 2ml sc. See literature.
S/E: Transient decrease in milk production.
W/T: Meat 7 days.

LUMPYVAX, Intervet SA (MSD Animal Health)

10⁴ TCID₅₀ freeze-dried, live attenuated virus (SIS type)/dose.
VACCINE G3673
Indications: Immunisation against Lumpy Skin disease. –B. 10, 100 doses
Dosage: 1ml/animal sc. Booster after 1 year.
W/T: Meat 7 days.
P/I: A temporary decrease in milk production may occur.

See also IDR page 547

NASYM®, Hipra SA

Live attenuated Bovine Respiratory Syncytial Virus, strain Lym-56 10^{4.7}–10^{6.5} CCID₅₀* per 2ml.
*CCID₅₀: Cell Culture Infectious Dose, 50%.
VACCINE G4466
Indications: Intranasal or im live attenuated vacc. against Bovine Respiratory Syncytial Virus infection in cattle reducing virus shedding, clinical signs and lung lesions from the fi-rst days of life. –B. 1 dose (2ml), 5 dose (10ml), 25 dose (50ml)
Dosage: Cattle from first days of life: An intranasal admin. of 2ml (1ml/nostril) as primary vacc. A revacc of 2ml by im route 3 months after the primary vacc. and every 6 months after the last revacc. Cattle about 10 weeks of age: One im admin. of 2ml followed by a second one 4 weeks later, as primary vacc. A revacc. of 2ml by im route every 6 months after the last revacc.
W/T: 21 days.
See also IDR page 368.

ORF SUSPENSION, OBP

Live suspension of virulent ORF virus.
VACCINE G1110
Indications: ORF (Contagious pustular dermatitis). –O, Cap. 100 doses
Dosage: Ewes: vacc. at least 4 weeks before lambing.
W/T: Meat 7 days.
P/I: Caution when handling as human infection can occur. Do not vacc. in the groin.

OVI CLOS P, Kyron AH

Clostridium perfringens Type D, *Clostridium septicum* and *Clostridium tetani*; integral anacultures of *Clostridium chauvoei*, bacterins of *Pasteurella multocida* and *Mannheimia (Pasteurella) haemolytica*, absorbed with aluminium hydroxide gel.
VACCINE G4261

Indications: Immunisation against black quarter, pulpy kidney, malignant oedema, tetanus, pneumonic and septicæmic pasteurellosis. An aid in the prevention of pneumonic and septicæmic pasteurellosis in lambs.–, 100ml, 250ml
Dosage: Sheep: 2ml sc in the loose skin behind the shoulder blade or on the inside of the thigh. Do NOT inject in the neck area. Repeat after 4-6 weeks. Lambs born to vacc. ewes could be expected to have colostral protection for up to 4 weeks against *Mannheimia (Pasteurella) haemolytica* and for up to 12 weeks against the clostridial diseases listed above. Cap: Vacc. goats in the loose skin under the tail. Annual revacc. See literature.
W/T: Meat 21 days.

See also IDR page 452

RB 51, Intervet SA (MSD Animal Health)

Brucella abortus vacc.
VACCINE G3056
Indications: An aid in the prevention of infection and abortion caused by *Brucella abortus*. –B. 5(25) doses, rehydrated to 10 (50)ml
Dosage: For female cattle only. Rehydrate with diluent to dried vacc. Non-vacc. herds: 4-10 months of age: 2ml sc. Revacc. with full dose between 12-16 months of age: Adult, non-pregnant cows: 2ml sc. Previously vacc. herds: Heifers 4-10 months of age: 2ml sc. Revacc. with full dose at 12-16 months of age. See literature.
W/T: Meat 3 weeks.
C/I: Do not use in pregnant cows.

See also IDR page 630

RIFT VALLEY FEVER LIVE, OBP

Live attenuated Rift Valley fever virus (Smithburn strain).
VACCINE G119
Indications: Rift Valley fever. –B, O, Cap. 100 doses

Dosage: 1ml sc.
S/E: Slight febrile reaction.
C/I: Pregnancy.
W/T: Meat 7 days.

RVF CLONE 13, OBP

Freeze-dried, live attenuated Rift Valley Fever virus (Clone 13 strain).
VACCINE G3876
Indications: For the immunisation against Rift Valley Fever. –B, Cap, O. 100 doses
Dosage: 1ml sc. After re-suspension animals should be vacc. within 2 hours.
W/T: Meat 7 days.

SUPAVAX®, Intervet SA (MSD Animal Health)

Toxoids of suitable strains of *Clostridium botulinum* types C1+2 and type D, and anacultures of *Cl. chauvoei*. Suspension of *Bacillus anthracis*.
VACCINE G2643
Indications: Anthrax, botulism, blackleg. –B, O. 100ml (50 doses)
Dosage: 2ml sc. B: Vacc. calves at 6 months. O: Vacc. at 4 months. B, O: Boost with Duovax 4-6 weeks later. Boost annually with Supavax.
W/T: Meat 2 weeks. Safe for use in pregnant animals.

C/I: Do not use concurrently with antibiotics.
See also IDR page 646

TRIO-SURE, Kyron AH

Contains toxoids obtained from cultures of *Clostridium botulinum* type C1 and C2 and type D, and inactivated anacultures of *Clostridium chauvoei*, as well as living spores of an uncapsulated avirulent strain (Sterne 34F2) of *Bacillus anthracis*.
VACCINE G4242
Indications: Immunisation against anthrax, botulism and blackquarter. 50ml, 250ml
Dosage: Cattle: 5ml sc, vacc. at 4-6 months and annually thereafter. Sheep & goats: 3ml sc, vacc. at 3-4 months and annually thereafter.
C/I: Do not admin. antibiotics for 7 days before and after vacc.
See also IDR page 464

UBAC, Hipra SA

Biofi–Im Adhesion Component (BAC) of *Streptococcus uberis*, strain 5616 RP* > 0.85.
VACCINE G4467
Indications: For active immunisation of healthy cows and heifers to reduce the incidence and severity of mastitis caused by *Streptococcus uberis* and to reduce milk production losses after infection. –B. 20 vials of 1 dose (2ml), 1 vial of 5 doses (10ml), 1 vial of 25 doses (50ml), 1 vial of 50 doses (100ml).
Dosages: Cattle (cows and heifers): 2ml/ animal. Admin. one dose by deep im injection

in the neck muscles at dry-off (or 2 months before calving for heifers). Admin. a 2nd dose 1 month thereafter. A 3rd dose should be admin. 1 month thereafter. The full immunisation program should be repeated with each gestation.
W/T: Meat 21 days. Milk zero.
See also IDR page 370.

19.2.2. Inactivated vaccines

ACTINOMYCES (ARCANO-BACTERIUM) PYOGENES, OBP

Formalinised AIOH3 suspension of *T. pyogenes* bacteria and toxoid.
VACCINE G135
Indications: *T. pyogenes* infections. –B, O, Cap. 100ml, 10 (20; 50) doses
Dosage: B: >6 months old: 10ml sc. Adult O, Cap, calves <6 months old: 5ml sc. Lambs <2 months old: 2ml sc. Booster every 6 months. See literature.
S/E: Transient lameness.
W/T: Meat 7 days.
P/I: Do not drive animals over long distances shortly after vacc.

BARVAC 10, Boehringer

Each 2ml dose: amount of antigenic material per dose: *Clostridium chauvoei*: at least 80% protection, *Clostridium septicum*: at least 1,5iu of antitoxin/ml, *Clostridium novyi*: at least 0,5iu of alpha antitoxin/ml, *Clostridium sordellii*: at least 1,0iu of antitoxin/ml, *Clostridium perfringens* Type C: at least 10,0iu of beta antitoxin/ml. *Clostridium perfringens* Type D: at least 2,0iu of epsilon antitoxin/ml, *Mannheimia haemolytica* Type 1: at least 1,0 log10 protection, *Pasteurella multocida* Type A: at least 2,0 log₁₀ protection.
SUSPENSION FOR INJECTION G4282
Indications: For the immunisation of cattle and sheep against *Cl. perfringens* Types C and D, *Cl. Sordellii*, *Cl. Septicum*, *Cl. Novyi*, and *Cl. Chauvoei* and *Pneumonic Pasteurellosis* caused by *Mannheimia haemolytica* and *Pasteurella multocida*. *Cl. perfringens* Types C and D give protection against type B. –B, O. 20ml, 50ml, 100ml
Dosage: Apply sc in the neck. Shake the bottle well before and during use. B: 2ml, repeat in 21 days and 1 x annually. Feedlot calves: Weaned calves vacc. under 6 months of age should be revacc. at 6 months of age. O: 1ml, repeat in 21 days and once annually. Lambs born to vacc. ewes can be expected to have colostral protection for 4-6 weeks. See literature.
W/T: Meat 21 days.
C/I: Do not mix this vacc. with other vacc. or medication.

P/I: Only vacc. healthy animals from 4-6 months of age onwards. If anaphylactic

reactions occur notify the registration holder and consult a veterinarian. Antidote: Epinephrine. Localized swelling at the injection site may occur.

See also IDR page 104

BLACK QUARTER, OBP

Formalinised, alum-precipitated anaculture of *Cl. chauvoei*.

VACCINE G120

Indications: Black quarter. –B, O.

(3 x 10) 100ml

Dosage: B: 2ml sc. Between 6-9 months old vacc. 2 x with 4 week interval. Then 1 x annually to 3 years. O: 1ml sc, annually 3-4 weeks before shearing.

S/E: Shock may occur.

W/T: Meat 7 days.

P/I: Do not inject im.

BLUE UDDER FOR SHEEP, OBP

Formalinised AIOH3 adsorbed toxoid-bacterin of *Staph aureus* and *Mannheimia haemolytica*.

VACCINE G710

Indications: Blue udder. –O.

50 doses

Dosage: Ewes: 2ml sc. Initial: +2 and 6 weeks before lambing. Then 2-3 weeks before each lambing.

S/E: Shock may occur.

W/T: Meat 7 days.

BLU-VAX, Vetvax (Design Biologix)

An oil emulsion vacc. containing inactivated serotypes of the bluetongue virus (BTV). BTV serotypes included in the formulation include serotypes 1, 2, 3, 4, 5, 7, 12, 13, 16, 17 and 24. Each dose (1ml) of vacc. contains 1 x 10⁵ TCID₅₀ per serotype.

VACCINE G4534

Indications: An inactivated adjuvanted polyvalent bluetongue virus (BTV) vacc., formulated as an emulsion, for the active immunisation of healthy sheep against bluetongue disease. Safe for use in ewes during all stages of pregnancy and newborn lambs born from unvacc. ewes. The use of this vacc. in breeding rams and the effect on semen production has not yet been evaluated therefore the use of this vacc. in the 2 months before and during the breeding season is currently not recommended. –O.

20ml, 100ml

Dosage: Inject 1 dose (1ml) sc, on the side of the neck only. A booster vacc. of 1ml is recommended after 3-4 weeks. Annual revacc. with a single dose (1ml), 2 months prior to the outbreak season, is recommended. Do not inject iv.

W/T: Meat 21 days.

BOTULISM, OBP

Formalinised AIOH3 adsorbed toxoid of *Cl. botulinum* types C and D.

VACCINE G111

Indications: Botulism (lamsiekte).

–B, E, Mules, O, Cap.

(3 x 10) 100ml

Dosage: Cap, O: 1ml sc. B: 2ml sc. Admin.

2 x with 4-7 week interval. Revacc. annually.

W/T: Meat 7 days.

BOTUVAX®, Intervet SA (MSD Animal Health)

Formalinized, alum precipitated *Cl. botulinum* types C1 + 2 and D toxoids.

VACCINE G2193

Indications: Botulism. –B, E, O, Cap.

100ml

Dosage: B, E: 2ml sc. O, Cap: 1ml sc.

W/T: Meat 7 days.

See also IDR page 475

BOVILIS® C7 SOMNI, Intervet SA (MSD Animal Health)

Clostridium chauvoei, *Clostridium septicum*, *Clostridium novyi* type B, *Clostridium sordellii*, *Clostridium perfringens* type C, *Clostridium perfringens* type D and *Histophilus somni*.

VACCINE G3114

Indications: Preventing diseases caused by

Clostridium chauvoei, *Clostridium septicum*, *Clostridium novyi* type B, *Clostridium sordellii*, *Clostridium perfringens* type C, *Clostridium perfringens* type D and *Histophilus somni*. –B.

10, 50, 250 doses

Dosage: Inject a single 2 ml dose. Repeat the dose in 3-4 weeks.

C/I: Do not use during pregnancy and lactation.

P/I: Anaphylactic reactions may follow after admin. Treat with epinephrine.

See also IDR page 475

BOVILIS® S, Intervet SA (MSD Animal Health)

Salmonella Dublin and *Salmonella* Typhimurium antigens. Each 1ml contains a minimum of 5 x 10⁸ organisms of inactivated *Salmonella* Dublin and 5 x 10⁸ organisms of inactivated *Salmonella* Typhimurium.

VACCINE G3763

Indications: An aid in the control of cattle salmonellosis caused by *Salmonella* Dublin and *Salmonella* Typhimurium. After natural challenge with *Salmonella*, vacc. animals may develop mild disease but do not shed the organisms. –B.

20ml, 100ml

Dosage: Cows: 2ml sc. 3-4 weeks apart.

Booster: Every 12 months. For colostral protection, vacc. pregnant cows approx. 8 and 3 weeks before calving. Feed calves colostrum from vacc. cows for at least 5 days after birth.

See also IDR page 476

BOVI-TECT P, Intervet SA (MSD Animal Health)

Purified cell free supernatant of *Mannheimia haemolytica* serotype 1/17 exotoxin.

VACCINE G3002

Indications: *Mannheimia haemolytica* vacc.

for cattle. –B.

100ml (10ml)

Dosage: 1ml per animal sc. Refer to literature.

P/I: For use in cattle from 3 months of age.

See also IDR page 480

CALF PARATYPHOID INACTIVATED, OBP

Formalinised AIOH3 adsorbed suspension of *S. Dublin*, *S. Typhimurium* and *S. bovis-morbificans* bacteria.

VACCINE G72

Indications: Paratyphoid. –B.

10ml

Dosage: Calves: 5ml sc at 7-10 days old.

Repeat at 3 weeks old. Cows: 10ml sc at 4-6 and 2-3 weeks before calving.

S/E: Shock reactions may occur.

W/T: Meat 7 days.

CAMPYLOBACTER (VIBRIO) FETUS, OBP

Campylobacter fetus venereal, *C. fetus intestinalis* bacteria (oil emulsion).

VACCINE G55

Indications: Bovine vibriosis. –B.

(3 x 10) 100ml

Dosage: Admin. 2 x with an interval of 4 weeks. Booster 4 weeks before each ensuing breeding season. Heifers: 2ml sc. Bulls: 5ml sc.

W/T: Meat 7 days.

CHLAMYSURE, OBP

An oil-adjuvanted emulsion of formalin inactivated cell-adapted cultures of *Chlamydia abortus*.

VACCINE G3862

Indications: For the prophylactic immunisation against enzootic abortion.

–B, O, Cap.

100ml

Dosage: B: 2ml im. O, Cap: 1ml sc.

W/T: Meat 21 days.

CHLAMYVAX, Vetvax (Design Biologix)

An inactivated bivalent vacc. for the active immunisation of healthy cattle, sheep and goats against enzootic abortion caused by *Chlamydia abortus* and a range of subclinical disease manifestations including infectious conjunctivitis, arthritis, infertility, enteritis, mastitis and reduced growth rates caused by *C. pecorum*.

VACCINE G4535

Indications: An oil emulsion vacc. consisting of formalin-inactivated *C. abortus* and *C. pecorum* strains. Each dose (1ml) of Chlamyvax contains inactivated *C. abortus*: $\geq 2,5 \times 10^5$ TCID₅₀ per 1ml dose, inactivated *C. pecorum*: $\geq 2,5 \times 10^5$ TCID₅₀ per 1ml dose. –B, Cap, O.

20ml, 100ml

Dosage: Cattle: Inject 2ml sc, on the side of the neck only. Sheep and goats: Inject 1ml sc,

Bleehh to Bluetongue!

BLU-VAX: We've got you covered

SCIENTIFICALLY PROVEN PROTECTION

Serotypes

1, 2, 3, 4, 5, 7,
12, 13, 16, 17
and 24.

Dosage

Vaccinate 1 ml
and boost 1 ml
3-4 weeks later.
Repeat 1 ml dose
annually.¹

Pregnancy

Safe to use
during any
trimester.

**Lambs from
unvaccinated ewes**
Inoculate 1 ml and boost
1 ml 3-4 weeks later
from 7 days old.

**Lambs from
vaccinated ewes**
Vaccinate weanlings
1 ml and boost 1 ml
3-4 weeks
later.¹

Rams

Don't vaccinate
2 months
before or during
breeding
season.²



1. Subcutaneously, only on the side of the neck.
2. Evaluation is still underway. Results may change this recommendation.

BLU-VAX

Reg. No. G4534 (Act 36/1947)

BLU-VAX is a formalin-inactivated polyvalent bluetongue virus (BTV) vaccine for the active immunisation of healthy sheep against bluetongue disease (BTV serotypes 1, 2, 3, 4, 5, 7, 12, 13, 16, 17 and 24).

REGISTRATION HOLDER: Vetvax (Pty) Ltd, Reg. No. 2004/035302/07 | MANUFACTURER: Design Biologix CC, Reg. No. 1992/028856/23

ANIMAL VACCINES MANUFACTURER

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on the side of the neck only. A booster vacc. of the above-mentioned doses for cattle, sheep and goats respectively is recommended 3-4 weeks later. Safe for use during all stages of pregnancy. Admin. a dose at least 4 weeks before the breeding season or during early pregnancy, before 60 days of gestation.
W/T: Meat 21 days.

CLOSTRIDIUM SEPTICUM, OBP
Formalinised AL(OH)3 adsorbed anaculture of *Clostridium septicum*.
VACCINE G133
Indications: Malignant oedema. –B, Cap, O. 100ml

Dosage: Admin. 2 x with an interval of 4 weeks. Cap, O: 2ml sc. O: Admin. 3-4 weeks before shearing. B: 5ml sc. Annual booster.
W/T: Meat 7 days.
P/I: Do not inject im.

CLOSTRIVAX B, Vetvax (Design Biologix)
Toxoids from *Clostridium perfringens* type A, *C. botulinum* types C and D, *C. novyi* types A and B, *C. sordellii*, *C. septicum*, *Mannheimia haemolytica* type A1 leukotoxin and formalin-inactivated *C. chauvoei* anacultures.
VACCINE G4483

Indications: Immunisation of cattle against diseases caused by *C. perfringens* type A (enterotoxaemia), *C. botulinum* types C and D (botulism), *C. novyi* type A (swollen head), *C. novyi* type B (black disease), *C. chauvoei* (black quarter), *C. sordellii* (sudden death syndrome), *C. septicum* (malignant oedema) and *M. haemolytica* type A1 (bovine respiratory disease). –B. 100ml, 500ml

Dosage: 2ml sc. Admin. a 2ml booster 3-4 weeks later. Calves may be vacc. from 2 months of age and older. Cows that have been vacc. during the previous 12 months should be revacc. 2-6 weeks before calving. This provides passive protection to the calf, via colostrum, for up to 8 weeks.
W/T: Meat 21 days.

CLOSTRIVAX O, Vetvax (Design Biologix)
Toxoids from *Clostridium perfringens* type A, *C. perfringens* type D, *C. tetani*, *C. novyi* types A and B, *C. septicum*, *Mannheimia haemolytica* type A1 leukotoxin and formalin-inactivated *C. chauvoei* and *Bibersteinia trehalosi* anacultures.
VACCINE G4487
Indications: Immunisation of sheep against diseases caused by *C. perfringens* type A (enterotoxaemia, gas gangrene, sudden death syndrome), *C. perfringens* type D (enterotoxaemia, pulpy kidney), *C. tetani* (tetanus), *C. novyi* type A (swelled head), *C. novyi* type B (black disease, infectious necrotic hepatitis), *C. chauvoei* (black leg,

black quarter), *B. trehalosi* (pasteurellosis, septicaemia), *C. septicum* (malignant oedema, braxy), and *M. haemolytica* type A1 (pneumonia). –O. 100ml, 500ml
Dosage: 2ml sc on the side of the neck. Admin. 2ml booster 3-4 weeks later. Annual revacc. Vacc. previously sensitised sheep 2-6 weeks before lambing. This provides passive protection to the lamb, via colostrum, for up to 8 weeks.
W/T: Meat 21 days.
C/I: Do not vacc. lambs <2 months of age.
P/I: Safe for use in pregnant sheep and in lactation.

COGLAVAX, Ceva AH
Contains antigens in sufficient quantities to obtain the following levels of antibodies in the serum of control animals: *C. perfringens* type A, C and D: alpha toxoid 2iu, beta toxoid 10iu, epsilon toxoid 5iu, *C. septicum* toxoid 2,5iu, *C. novyi* type B toxoid 3,5iu, *C. tetani* toxoid 2,5iu/ml, for *C. chauvoei* 100% protection in guinea pigs.

VACCINE G3684
Indications: For the active immunisation against infections caused by *C. perfringens* A, C and D, *C. novyi* B, *C. septicum*, *C. tetani* and *C. chauvoei* in the following bacterial disease conditions: B & O: Black quarter, gas gangrene, tetanus, malignant oedema and enterotoxaemia. O: Pulpy kidney disease, necrotic hepatitis. Lambs: Haemorrhagic enteritis, bacillary dysentery. –B, O. 100ml, 500ml (250ml)

Dosage: Sheep 2ml. Cattle 4ml sc.
W/T: Meat: 21 days.
See also IDR page 207

COMBINED BOTULISM/BLACKQUARTER, OBP
Formalinised AIH03 toxoid of *Cl. botulinum* types C+D and anaculture of *Cl. chauvoei*.
VACCINE G1347
Indications: Botulism (lamsiekte), black quarter. –B. (3 x 2) 20 doses
Dosage: Calves: 5ml sc at 4-5 months of age. Repeat 4-6 weeks later. Annual booster.
S/E: Shock reactions may occur.
W/T: Meat 7 days.

CORYNEBACTERIUM OVIS, OBP
Formalinised AIH03 adsorbed suspension of *Corynebacterium pseudotuberculosis*.
VACCINE G709
Indications: Caseous lymphadenitis, lung abscess. –O, Cap. 100ml
Dosage: Immun. before expect. exposure. 2ml sc. See literature.
S/E: Slight lameness for 1-2 days.
W/T: Meat 7 days.
P/I: Don't drive animals over long distances before and after vacc.

COVEXIN™ 10, Intervet SA (MSD Animal Health)
C. perfringens type A toxoid >0,5iu, *C. perfringens* type B toxoid >10iu β, *C. perfringens* type C toxoid >10iu β, *C. perfringens* type D toxoid >5iu β, *C. chauvoei* whole culture Meets Ph. Eur., *C. novyi* toxoid >3,5iu, *C. septicum* toxoid >2,5iu, *C. tetani* toxoid >2,5iu, *C. sordellii* toxoid >1,0 U, *C. haemolyticum* toxoid >10 U.
VACCINE G3354
Indications: For the active immunisation of sheep and cattle against *Clostridium perfringens* types A, B, C and D, *C. chauvoei*, *C. novyi*, *C. septicum*, *C. tetani*, *C. sordellii* and *C. haemolyticum*. –B, O. 20ml, 50ml, 100ml, 250ml

Dosage: Sheep and lambs >2 weeks of age: Two injections of 1ml each sc at an interval of 6 weeks, and a booster annually thereafter. Cows and calves >2 weeks of age: Two injections of 2ml each sc at an interval of 6 weeks, and a booster annually thereafter.
P/I: Do not admin. other vacc. within 14 days before or after vacc. with this product.

See also IDR page 502
CYDECTIN® EWEGUARD WITH SELENIUM AND VIT B12, Zoetis
Moxidectin 5mg/ml, antigens of *Cl. perfringens* type D, *Cl. chauvoei*, *Cl. septicum*, *Cl. novyi* type B, *Cl. tetani*, *Corynebacterium pseudotuberculosis-ovis*, selenium 1mg/ml, vitamin B12 1mg/ml.

ANTHELMINTIC/VACCINE G3541
Indications: Vacc. of healthy adult sheep against pulpy kidney, black quarter (quarter evil), malignant oedema, gangrene, tetanus, caseous lymphadenitis and the treatment and control of internal and external parasites as well as for selenium and vitamin B12 supplementation. –O. 500ml
Dosage: 2ml/50kg bm sc. Admin. 2 doses 4-6 weeks apart followed by an annual booster. Admin. in the anterior half of the neck only. See literature.
W/T: Meat 28 days.
C/I: Animals <30kg bm, animals vacc. with footrot vacc.
P/I: Do not inject iv or im. Not for animals producing milk for human consumption.
See also IDR page 803

DEFENSOR 3, Zoetis
Inactivated rabies virus.
VACCINE G1921
Indications: Aid in preventing rabies. –B, O, Can, F. 5 x 10 doses
Dosage: Can, F: 1ml im/sc. B, O: 2ml im. Admin. single dose at 3 months or older. Repeat 1 yr later.
W/T: Meat 21 days.
See also IDR page 814

SCIENTIFICALLY PROVEN Protection against the most deadly diseases in sheep

Clostrivax O is a 9 antigen multi-clostridial formulation that protects against the veterinary important clostridial diseases and pneumonia in sheep.

Clostrivax O
Reg. No. G4487 (Act 36/1947)

Clostrivax O is an adjuvanted multi-component vaccine for the active immunisation of sheep against diseases caused by *Clostridium perfringens* type A (enterotoxaemia), *C. perfringens* type D (pulpy kidney), *C. tetani* (tetanus), *C. novyi* type A (swollen head), *C. novyi* type B (black disease), *C. chauvoei* (black quarter), *C. septicum* (malignant oedema), *Bibersteinia trehalosi* (pasteurellosis) and *Mannheimia haemolytica* type A1 (pasteurellosis).

REGISTRATION HOLDER: Vetvax (Pty) Ltd, Reg. No. 2004/035302/07 | MANUFACTURER: Design Biologix CC, Reg. No. 1992/028856/23
Ram image courtesy of Lionel and Jean De La Harpe and Dohne Merino and, Free-Photos from Pixabay

ANIMAL VACCINES MANUFACTURER www.designbio.co.za

Design Biologix

DUOVAX, Intervet SA (MSD Animal Health)
Alum precipitated toxoids of *Cl. chauvoei* and *Cl. botulinum* types C1+2 and D.

VACCINE G2328
Indications: Botulism, Blackquarter. –B, Cap, O, 100ml

Dosage: B, Cap, O: 2ml sc. Calves: Immunise from 4-5 months old; 2nd injection 4-6 weeks later. Lambs and kids: Immunise from 3 months old; 2nd injection 4-6 weeks later. Plus single booster annually.

W/T: Meat 7 days.

See also IDR page 512

ENTEROTECT P, Vetvax (Design Biologix)
Alum-precipitated suspensions of *Mannheimia haemolytica* leukotoxin with inactivated *Clostridium perfringens* type A (alpha toxoid) and *C. perfringens* type D (epsilon toxoid).

VACCINE G4256
Indications: An aid in preventing pneumonic pasteurellosis caused by *M. haemolytica*, enterotoxaemia caused by *C. perfringens* type A and pulpy kidney caused by *C. perfringens* type D. –Cap, O, 20ml, 100ml

Dosage: 1ml sc. Admin. 1ml 4-6 weeks later.

W/T: Meat 21 days.

P/I: Safe for use in pregnant animals. Maternal antibodies are transferred to newborns through the intake of immune colostrum within 48 hours after birth.

ENTEROTOXAEMIA ALUM PRECIPITATED VACCINE, OBP
Indications: Enterotoxaemia. –O, Cap.

VACCINE G1350
Formalinised alum-precipitated toxoid of *Clostridium perfringens (welchii)* type D. 100, 500 doses

Dosage: 1ml sc x 2 with an interval of 4 weeks at 4-5 months old.

OIL EMULSION VACCINE G104
Formalinised oil-emulsion toxoid of *Clostridium perfringens (welchii)* type D. 100 doses

Dosage: 1ml sc at 4-5 months old and 4-6 weeks later. Annual booster with alum-precipitated vacc.

C/I: Animals <2months of age, in poor condition or infected with internal parasites.

W/T: Meat 7 days.

P/I: Admin. oil-emulsion vacc. once only.

ENVIRACOR J-5, Zoetis
Inactivated *Escherichia coli* (J-5 mutant strain) min. 6 x 10⁹ cells.

VACCINE G3544
Indications: Prevention of clinical coliform mastitis caused by *E. coli*. –B, 100ml, 250ml

Dosage: Admin. sc, one hand-width cranial to the shoulder, in a 3-injection

regimen: 1 x 5ml dose sc at drying off, 1 x 5ml dose sc 30 days later, and 1 x 5ml dose sc at calving or within 2 weeks of calving. Repeat programme annually.

W/T: Meat 60 days.

See also IDR page 828

ESCHERICHIA OIL EMULSION VACCINE, OBP
Formalinised oil-emulsion bacterin of *Escherichia coli*.

VACCINE G671
Indications: Colostral immunity to *E. coli* infections. –B, O, (3 x 5) 50 doses

Dosage: Cows, ewes: 2ml im 10 weeks before parturition, and 6 weeks later. Booster before each calving/lambing.

W/T: Meat 7 days.

GAS GANGRENE COMPLEX VACCINE, OBP
Formalinised AIOH3 adsorbed toxoids of *Clostridium chauvoei*, *Cl. novyi* A and *Cl. septicum*.

VACCINE G2950
Indications: Immunisation of cattle, sheep and goats against gas gangrene complex. –B, Cap, O, 2, 20, 100 cattle doses; 5, 50, 250 sheep doses.

Dosage: B: 5ml sc. Cap, O: 2ml sc.

P/I: Do not mix with other vacc.

GLANVAC 3, Zoetis
Cl. perfringens type D, *Cl. tetani*, *Corynebacterium pseudotuberculosis*.

VACCINE G2347
Indications: For the control of Caseous lymphadenitis and the prevention of enterotoxaemia and tetanus. –O, Cap, 100ml, 250ml

Dosage: O, Cap (incl. lambs and kids): 1ml sc, then 2nd dose of 1ml 4 weeks later. Do not vacc. lambs before 3 weeks of age. Annual booster dose. Pregnant ewes and does: If not previously vacc., admin. 1ml at mating and 2nd dose of 1ml within 4 weeks of expected date of lambing or kidding.

See also IDR page 837

GUDAIR VACCINE, Virbac
Inactivated *Mycobacterium paratuberculosis* bacteria in an oil emulsion.

VACCINE G3268
Indications: An aid in the control of paratuberculosis (Johne's disease). –O, Cap, 100ml, 250ml

Dosage: 1ml sc.

W/T: Meat 42 days.

P/I: Do not vacc. wet animals and prevent animals getting wet after vacc.

See also IDR page 721

HIPRABOVIS 4, Hipra SA
Viruses: IBR, PI3, BVD, BRSV.

VACCINE G4060

Indications: Vacc. against IBR, PI3, BVD, BRSV. –B, 5, 30 doses

Dosage: 3ml/animal from 4-6 weeks of age, for all weights and ages. See literature.

W/T: Meat 21 days.

See also IDR page 359

HIPRABOVIS® SOMNI/LKT, Hipra SA
Mannheimia haemolytica Biotype A serotype A1, inactivated cell free suspension containing leukotoxoid: Elisa >2,8 (*)/dose; Inactivated *Histophilus somni* Baile strain: MAT >3,3/dose.

VACCINE G4418
Indications: To reduce the clinical signs and lung lesions caused by *Mannheimia haemolytica* serotype A1 and *Histophilus somni* in calves from 2 months of age. –B, Onset of immunity: 3 weeks, 10, 50 doses

Dosage: 2ml sc/calf from 2 months of age. Repeat after 21 days. See literature.

C/I: Do not use during pregnancy or lactation.

P/I: Do not mix with any other veterinary medicinal product.

See also IDR page 360

INMEVA, Hipra SA
Inactivated *Chlamydia abortus* strain A22 RP* ≥1 inactivated *Salmonella* Abortus ovis strain Sao RP* ≥1 per 2ml.

VACCINE G4485
Indications: For active immunization against reproductive disorders caused by *Chlamydia abortus* and *Salmonella* Abortus ovis in sheep and shedding reduction of both pathogens from infected animals. –O, 5 doses (10ml), 25 doses (50ml), 50 doses (100ml), 125 doses (250ml)

Dosages: Dose: 2ml by sc injection, behind the shoulder in the rib area (lateral thoracic region). Basic vacc.: Animals should receive 2 vacc. doses with an interval of 3 weeks. Annual re-vacc.: a single booster dose (2ml) should be admin. 2 weeks before each artificial insemination or mating or during the first stages of gestation, but not later than 1 year after initial basic vacc.

W/T: 21 days.

C/I: Do not use within 14 days of antibiotic treatment.

See also IDR page 367.

LAMB DYSENTERY, OBP
Formalinised, AIOH3 adsorbed toxoid of *Clostridium perfringens (welchii)* type B.

VACCINE G102
Indications: Lamb dysentery. –O, 50 doses

Dosage: Initial: 2ml sc 4 weeks before lambing. Repeat 3 weeks later. Previous inoculation: 1 booster 10-14 days before lambing.

S/E: Slight transient lameness, hard nodule under the skin may occur.

W/T: Meat 7 days.

LEUKOPAST VACCINE FOR CATTLE, OBP
Formalinized AIOH3 adsorbed monovalent leukotoxin culture of *Mannheimia haemolytica* type A1.

VACCINE G2395
Indications: *Mannheimia haemolytica*. –B, 100 doses

Dosage: 1ml sc. Initial: 2 injections with 4 week interval. Booster every 6-12 months.

W/T: Meat 7 days.

LEUKOPAST 3 VACCINE FOR CATTLE, OBP
Combined formalinized AIOH3 adsorbed monovalent leukotoxin supernatant of *Mannheimia haemolytica* type A1 with inactivated infectious Bovine Rhinoracheitis and Para-influenza type 3 virus.

VACCINE G2393
Indications: Respiratory infections. –B, (100) 20 doses

Dosage: 5ml sc. Initial: 2 injections with 4 week interval. Booster every 6-12 months.

W/T: Meat 7 days.

MULTICLOS, Intervet SA (MSD Animal Health)
Strains of *Cl. septicum*, *Cl. novyi* type B, *Cl. sordellii*, *Cl. perfringens* type C and D and anacultures of *Cl. chauvoei* and *Cl. haemolyticum*, inactivated and concentrated.

VACCINE G3392
Indications: Blackleg, malignant oedema, bacillary haemoglobinuria, infectious necrotic hepatitis, diarrhoea, haemorrhagic enterotoxaemia and pulpy kidney disease. –B, O, 50ml, 100ml, 250ml and 500ml

Dosage: 2ml sc. See literature.

See also IDR page 554

★ NOBIVAC® RABIES, Intervet SA (MSD Animal Health)
Inactivated culture of Rabies virus, cloned out of a strain of Pasteur RIV with a potency of >2,0iu.

VACCINE G2207
Indications: Immunisation against rabies. –E, B, O, Cap, Can, F, 1 and 10 doses

Dosage: 1ml sc. See literature.

P/I: Do not freeze.

See also IDR page 596

ONE SHOT ULTRA™ 7, Zoetis
Killed, standardised cultures of *Cl. chauvoei*, *Cl. septicum*, *Cl. novyi*, *Cl. sordellii* and *Cl. perfringens* type C and D (immunity against *Cl. perfringens* type B is provided by the beta toxoid of type C and the epsilon toxoid of type D), and inactivated whole cultures of *M. haemolytica* propagated to increase the production of leukotoxin and capsular and cell-associated antigens.

VACCINE G1517
Indications: Prevention of enterotoxaemia, malignant oedema, blackquarter, tetanus, pasteurellosis. –O, 50ml, 100ml, 250ml and 500ml

Dosage: 1ml sc. Initial: 2 injections with 4 week interval. Booster every 6-12 months.

W/T: Meat 7 days.

MULTISOMNI, Vetvax (Design Biologix)
Formalin-inactivated whole cell formulation of *Pasteurella multocida* serotype A, *P. multocida* serotype D and *Histophilus somni*.

VACCINE G4357
Indications: Immunisation against bovine pneumonia caused by *P. multocida* type A, *P. multocida* type D and *H. somni*. –B, 20ml, 100ml

Dosage: 1ml sc. Admin. booster of 1ml 3-4 weeks later. Annual revacc.

W/T: Meat 21 days.

MULTIVAX-P, Intervet SA (MSD Animal Health)
Purified formal toxoids of *Cl. perfringens*, *Cl. welchii* type D, *Cl. septicum*, *Cl. tetani*, purified formalin killed cultures of *Cl. chauvoei*, antigens from *Mannheimia haemolytica*.

VACCINE G1517
Indications: Prevention of enterotoxaemia, malignant oedema, blackquarter, tetanus, pasteurellosis. –O, 50ml, 100ml, 250ml and 500ml

Dosage: 1ml sc. Initial: 2 injections with 4 week interval. Booster every 6-12 months.

W/T: Meat 7 days.

100ml (50 dose); 250ml (125 dose); 500ml (250 dose)

Dosage: 2ml sc, repeated after 4-6 weeks.

S/E: Occasional hypersensitivity reactions.

See also IDR page 553

MULTIVAX-P PLUS, Intervet SA (MSD Animal Health)
Combined 7 in 1 clostridial plus *Pasteurella* vacc. An opaque fluid vacc. containing toxoids of *Clostridium perfringens* types B,C and D, *Clostridium septicum*, *Clostridium tetani*, *Clostridium novyi* type B, formalin killed cells and toxoids of *Clostridium chauvoei* and iron-regulated antigens from the epidemiologically most important serotypes of *Mannheimia (Pasteurella) haemolytica* and *B. bersteinia trehalosi* in buffered physiological saline adsorbed onto aluminium hydroxide.

VACCINE G3694
Indications: An aid in the control of lamb dysentery, pulpy kidney, tetanus, blackleg, clostridial metritis (malignant oedema of the uterus), bloodgut and infections caused by *Clostridium novyi* type B. caused by the above listed organisms. May be used as an aid in the control of pneumonic pasteurellosis in sheep of all ages, min. age of 3 weeks and in the control of systemic pasteurellosis in weaned fattening and breeding sheep. May be used in pregnant ewes as an aid in the control of lamb dysentery, pulpy kidney, tetanus and pasteurellosis in their lambs provided that the lambs receive sufficient immune colostrum during the first 1-2 days of life. –O, 50ml, 100ml, 250ml and 500ml

Dosage: 2ml sc. See literature.

See also IDR page 554

★ NOBIVAC® RABIES, Intervet SA (MSD Animal Health)
Inactivated culture of Rabies virus, cloned out of a strain of Pasteur RIV with a potency of >2,0iu.

VACCINE G2207
Indications: Immunisation against rabies. –E, B, O, Cap, Can, F, 1 and 10 doses

Dosage: 1ml sc. See literature.

P/I: Do not freeze.

See also IDR page 596

ONE SHOT ULTRA™ 7, Zoetis
Killed, standardised cultures of *Cl. chauvoei*, *Cl. septicum*, *Cl. novyi*, *Cl. sordellii* and *Cl. perfringens* type C and D (immunity against *Cl. perfringens* type B is provided by the beta toxoid of type C and the epsilon toxoid of type D), and inactivated whole cultures of *M. haemolytica* propagated to increase the production of leukotoxin and capsular and cell-associated antigens.

VACCINE G2818
Indications: An aid in preventing blackleg caused by *Cl. chauvoei*, malignant oedema

caused by *Cl. septicum*, black disease caused by *Cl. novyi*, gas-gangrene caused by *Cl. sordellii*, enterotoxaemia/pulpy kidney and enteritis caused by *Cl. perfringens* Type B, C and D, and pneumonic pasteurellosis caused by *Mannheimia (Pasteurella) haemolytica* type A1. –B, O, 10 cattle dose (20 sheep dose); 50 cattle dose (100 sheep dose)

Dosage: B: Admin. 2ml sc. Follow with a 2nd dose 4-6 weeks later. Annual revacc. O: Admin. 1ml sc. Follow with a 2nd dose 4-6 weeks later. Annual revacc.

W/T: Meat 21 days.

See also IDR page 850

OVI CLOS P, Kyron AH
Contains purified and concentrated toxoids of *Clostridium perfringens* Type D, *Clostridium septicum* and *Clostridium tetani*; integral anacultures of *Clostridium chauvoei*, bacterins of *Pasteurella multocida* and *Mannheimia (Pasteurella) haemolytica*, absorbed with aluminium hydroxide gel.

VACCINE G4261
Indications: For the active immunisation of sheep and goats against blackquarter, pulpy kidney, malignant oedema, tetanus, pneumonic and septicaemic pasteurellosis. 100ml, 250ml

Dosage: Sheep of all ages: 2ml with the dosage repeated after an interval of 4-6 weeks. Goats: Consult your veterinarian for a suitable vacc. schedule.

W/T: Do not slaughter animals intended for human consumption within 21 days of last treatment.

See also IDR page 452

OVIGUARD, Intervet SA (MSD Animal Health)
Alum-precipitated suspensions of *M. haemolytica* (leukotoxin) with inactivated *C. perfringens* Type D (epsilon toxoid).

VACCINE G4257
Indications: Prevention of pneumonic pasteurellosis caused by *Mannheimia haemolytica* and pulpy kidney caused by *C. perfringens* Type D. –O, Cap, 100ml

Dosage: 1ml sc. Second dose 4-6 weeks later. Safe in pregnant animals.

W/T: 21 days.

See also IDR page 603

OVIPAST, Design Biologix (Ceva Animal Health)
An adjuvanted multi-valent vacc., without antibiotics or preservatives, formulated with *Mannheimia haemolytica* leukotoxin and lipopolysaccharide (LPS) supernatant antigens, as well as *Pasteurella multocida* type A bacterin.

VACCINE G4356
Indications: Prevents sheep and goat pneumonia (Pasteurellosis) –Cap, O, 100ml

Dosage: Vacc. from weaning and older. 1ml sc. Admin. 1ml booster 3-4 weeks later. Annual revacc. **W/T:** Meat 21 days. **P/I:** Do not mix Ovipast with another vacc.

OVIVAX, Vetvax (Design Biologix)
A formalin-inactivated multi-component whole cell formulation containing *Mannheimia haemolytica* serotype A1 (leukotoxin), *Pasteurella multocida* serotype A, *Bibersteinia trehalosi* and Parainfluenza virus type 3 (PI-3). Each dose (2ml) of vacc. contains *M. haemolytica* serotype A1: 4 x 10⁷ CFU, *P. multocida* serotype A: 1 x 10⁸ CFU, *B. trehalosi*: 1 x 10⁸ CFU and PI-3: 5 x 10⁵ TCID₅₀ per 2ml. **VACCINE** G4552 **Indications:** An inactivated combination vacc. for the active immunisation of healthy sheep and goats against respiratory disease complex caused by *M. haemolytica* serotype A1, *P. multocida* serotype A, *B. trehalosi* and Parainfluenza virus type 3 (PI-3). –Cap, O. 20ml, 100ml **Dosage:** Sheep and goats: Inject 1 dose (2ml) sc, on the side of the neck only. A booster vacc. of 2ml should be admin. after 3-4 weeks. Annual revacc. of all animals with a 2ml dose is recommended thereafter. **W/T:** Meat 21 days.

PASTEURELLA VACCINE FOR CATTLE, OBP
Aluminium hydroxide adsorbed polyvalent suspension of *Pasteurella multocida* types A, D and E and *Mannheimia haemolytica* type 1. **VACCINE** G0478 **Indications:** For the control of *Mannheimia* infections in cattle. –B. 20 doses **Dosage:** 5ml sc. Animals which are inoculated for the 1st time must receive 2 injections with an interval of 4 weeks. Give single booster injection every 6-12 months. **W/T:** 7 days.

PASTEURELLA VACCINE FOR SHEEP AND GOATS, OBP
Aluminium hydroxide adsorbed polyvalent suspension of *Mannheimia haemolytica* types 2, 5, 6, 9 and 15 bacteria. **VACCINE** G0479 **Indications:** For the control of *Pasteurella* infections in sheep and goats. –O, Cap. 50 doses **Dosage:** 2ml sc. Animals which are inoculated for the 1st time must receive 2 injections with an interval of 4 weeks. Give booster injection 6 months later. Revacc. with single injection annually. **W/T:** 7 days.

PILIGUARD PINKEYE-1 TRIVALENT, Intervet SA (MSD Animal Health)
Chemically inactivated cultures of *Moraxella bovis* isolates.
VACCINE G2803

Indications: Prevention of pinkeye associated with infection by *Moraxella bovis* strains. –B. 10(50) doses **Dosage:** 2ml sc or im into the neck 3-6 weeks prior to onset of pinkeye season. Revacc. annually. **W/T:** Meat 60 days. **P/I:** Do not freeze. **See also IDR page 615**

PULPYVAX®, Intervet SA (MSD Animal Health)
Formalised alum precipitated *Clostridium perfringens* type D (epsilon) toxoids. **VACCINE** G2192 **Indications:** Enterotoxaemia. –Cap, O. 100ml **Dosage:** 1ml sc. Second dose 4-6 weeks later, then yearly. **S/E:** Slight swelling at injection site, moderate rise in temperature. **W/T:** Meat 7 days. **See also IDR page 626**

PULPYVAX® 1-SHOT, Intervet SA (MSD Animal Health)
Clostridium perfringens type D toxoids. **VACCINE** G2642 **Indications:** Enterotoxaemia. –O. 100ml (100 doses), 250ml (250 doses) **Dosage:** 1ml deep im. Revacc. yearly. **S/E:** Slight swelling at injection site, moderate rise in temperature. **W/T:** Meat 20 days. **See also IDR page 627**

RABISIN, Boehringer
Inactivated adjuvanted rabies vaccine. **VACCINE** G1250 **Indications:** Rabies. –Can, F, E, B, O, Cap, Game. 1 x 10 doses **Dosage:** E: 1ml sc/im. Primary: From 4 months of age. If born to vaccinated mothers, vacc. at 9 months only. Booster: 1 year later, then every 3 years. **See also IDR page 154**

RESPIRAVAX, Intervet SA (MSD Animal Health)
Inactivated BHV1 (IBR), PI3 BVD type 1 viruses. Leukotoxin containing cell-free supernatant of *Mannheimia haemolytica*, adsorbed on to alhydrogel. **VACCINE** G3867 **Indications:** Immunisation of calves and pregnant cattle to prevent or reduce Bovine Respiratory Disease caused by bovine herpes virus 1, bovine viral diarrhoea, parainfluenza virus type 3 and *Mannheimia haemolytica*. –B. 10 (20, 100) doses **Dosage:** 1ml/animal sc. Vacc. pregnant cows 6-8 weeks before calving. Admin. 1ml dose 3 weeks before calving to cows not previously vacc. Vacc. calves from vacc. cows from 3 months of age; calves from unvacc. cows

after 4 weeks, then annually. Admin. booster after 4 weeks then annually. **W/T:** Meat 21 days. **See also IDR page 634**

RIFT VALLEY FEVER INACTIVATED, OBP
Formalinised AIOH3 adsorbed Rift Valley fever virus. **VACCINE** G1349 **Indications:** Rift Valley fever. –B, O, Cap. 100ml **Dosage:** B: 2ml sc. Pregnant ewes: 1ml sc. Annual booster. **W/T:** Meat 7 days.

ROTAVEC CORONA, Intervet SA (MSD Animal Health)
Inactivated bovine rotavirus strain UK-Compton ≥3600 AU. Serotype G6 P5 ≥874 U1. Inactivated bovine coronavirus, strain Mebus 150 to 230 ELISA units/2ml. **VACCINE** G2955 **Indications:** Active immunisation of pregnant cows and heifers to raise antibodies against *E. coli* adhesion F5 (K99) antigen, rotavirus and coronavirus. While calves are fed colostrum from vacc. cows during the first 2-4 weeks of life, these antibodies have been demonstrated to reduce the severity of diarrhoea caused by *E. coli* F5 (K99), reduce the incidence of scours caused by rotavirus, reduce the shedding of virus by calves infected with rotavirus or coronavirus. –B. 20, 50 doses **Dosage:** Shake well before use. Cows and heifers: A single 2ml dose im in the side of the neck. Admin. a single dose during each pregnancy at any time between 12 weeks and 3 weeks before calving is expected. See literature. **W/T:** Meat 21 days. **C/I:** Do not admin. any other vacc. within 14 days before or after Rotavec® Corona. **See also IDR page 640**

SCOURGUARD® 4KC, Zoetis
Inactivated bovine-rotavirus (serotypes G6 and G10) and coronavirus propagated on established cell lines, a K99 *E. coli* bacterin and *Cl. Perfringens* type C toxoid. **VACCINE** G3841 **Indications:** Pregnant cows and heifers: Vacc. against diarrhoea in their calves caused by bovine-rotavirus (serotypes G6 and G10), bovine coronavirus, enterotoxigenic strains of *Escherichia coli* having the K99 pili adherence factor, and *Clostridium perfringens* type C. –B. 10 doses **Dosage:** Admin. 2 x 2ml im in the neck approx. 3 weeks apart to pregnant cows and heifers. Give 2nd dose 3-6 weeks before calving. Revacc. with a single dose 3-6 weeks before each subsequent calving. **W/T:** Meat 21 days. **See also IDR page 869**

SPONSVAX®, Intervet SA (MSD Animal Health)
Inactivated *Cl. chauvoei* vacc. **VACCINE** G2063 **Indications:** Blackquarter. –B, Cap, O. 100ml **Dosage:** B: 2ml sc at 3-6 months of age. Repeat after 4 weeks. Annual booster. Cap, O: 1ml sc at 2 months of age. Repeat after 4 weeks. Annual booster. **C/I:** Late pregnancy. **See also IDR page 646**

STARTVAC, Hipra SA
Escheria coli, *Staphylococcus aureus*. **VACCINE** G4078 **Indications:** To reduce the incidence and severity of mastitis caused by *Staphylococcus aureus*, coliforms or coagulase-negative staphylococci. Immunisation to control mastitis. –B. 5, 20 doses **Dosage:** 2ml deep im in the neck muscles. First vacc.: 45 days before expected parturition date. 2nd vacc.: 35 days later. 3rd vacc.: 62 days after 2nd vacc. **W/T:** Meat 21 days. Milk O days. **See also IDR page 369**

SWELLED HEAD, OBP
Formalinised, AIOH3 adsorbed toxoid of *Clostridium novyi* A. **VACCINE** G122 **Indications:** Swelled head. –B, O. 20 cattle doses, 50 sheep doses **Dosage:** B: 5ml sc. O: 2ml sc. Initial: 2 injections at 3-4 week interval. Annual booster – vacc. sheep 3-4 weeks before shearing. **W/T:** Meat 7 days.

TETANUS, OBP
Formalinised, AIOH3 adsorbed toxoid of *Cl. tetani*. **VACCINE** G115 **Indications:** Tetanus. –B, E, O, Cap, P, Can. 3 x 10 doses **Dosage:** 1ml sc. annual booster. Refer to literature. **W/T:** Meat 7 days.

TRICHGUARD, Zoetis
Killed concentrated cultures of *Tritrichomonas foetus*. **VACCINE** G1749 **Indications:** Prevention of disease caused by *Tritrichomonas foetus*. –B. 50 doses (100ml) **Dosage:** Admin. 2ml sc behind the neck or behind the shoulder. Admin. as 2nd dose 2-4 weeks later. Last injection to precede breeding season by not less than 4 weeks. Annual booster vacc. **W/T:** Meat 60 days. **See also IDR page 883**

ULTRACHOICE 7, Zoetis
Killed, standardised cultures of *Cl. chauvoei*, *Cl. septicum*, *Cl. novyi*, *Cl. sordellii* and *Cl. perfringens* type C and D.

VACCINE G2804 **Indications:** Vacc. of healthy cattle and sheep as an aid in preventing blackquarter, malignant oedema, black disease, gas-gangrene, entero-toxaemia and enteritis, Type B, C and D. –B, O. 100ml vials (50 doses) **Dosage:** B: Single 2ml dose sc, followed by a 2nd dose 4-6 weeks later. –B. Revacc. annually. O: Single 1ml dose sc, followed by a 2nd dose 4-6 weeks later. Revacc. annually. **W/T:** Do not vacc. within 21 days before slaughter. **S/E:** If anaphylaxis, hypersensitivity occur, admin. adrenaline or equivalent. **See also IDR page 886**

VIBRIN, Zoetis
Inactivated *Campylobacter fetus* bacteria. **VACCINE** G1102 **Indications:** Bovine vibriosis. –B. 100ml (50 doses) **Dosage:** Cows/heifers: 2ml sc 30-60 days before breeding. Revacc. annually. **W/T:** Meat 60 days. **See also IDR page 894**

ZERORAB, Afrivet
Inactivated rabies virus (potency >1,0iu per dose) propagated in cell line BHK-21, inactivated with an aziridine compound and adsorbed onto adjuvant aluminium hydroxide. **VACCINE** G3859 **Indications:** Immunisation against rabies. –B, O, Cap, Can, F 1ml, 10ml **Dosage:** 1ml for all species sc or im. Give 1st vacc. at 12 weeks of age. See literature. **W/T:** B, O, Cap: Meat 21 days. **C/I:** Do not vacc. animals younger than 3 months. **See also IDR page 56**

19.3. Pigs

19.3.1. Live vaccines

ANTHRAX, OBP
Glycerine susp. of avirulent *Bacillus anthracis* spores. **VACCINE** G112 **Indications:** *Anthrax*. –B, E, Mules, Donkeys, O, Cap, P, Camels. (3 x 10) 100ml **Dosage:** Inoculate yearly. 1ml sc. **W/T:** Meat 14 days. **P/I:** Rest work animals for 7-10 days.

ENTERISOL ILEITIS, Boehringer
Attenuated live bacteria *Lawsonia intracellularis* (MS B3903). **VACCINE** G374 **Indications:** Immunisation of weaned pigs from 3 weeks of age to prevent porcine proliferative enteropathy (ileitis) and to

reduce growth variability and loss of weight associated with the disease. –P. 100ml (50 doses), 20ml (10 doses) **Dosage:** Admin. a single 2ml dose orally to pigs (from 3 weeks of age), irrespective of bm, either by oral drench or via the drinking water. See literature. **W/T:** 0 days. **P/I:** Do not vacc. breeding boars. Use of antimicrobials effective against *Lawsonia* spp. should be avoided for min. of 3 days before and after vacc. No other vacc. should be admin. within 14 days before or after vacc. **See also IDR page 112**

M+PAC, Intervet SA (MSD Animal Health)
Chemically inactivated cultures of *Mycoplasma hyopneumonia*. **VACCINE** G2771 **Indications:** *Mycoplasma hyopneumonia*. –P. 50ml (50 doses) **Dosage:** 1ml sc/im at 7-10 days old. Revacc. 1ml 2 weeks later or 2ml at 3- weeks. **W/T:** Meat 21 days. **See also IDR page 547**

PORCILIS® APP, Intervet SA (MSD Animal Health)
Outer membrane protein and toxoids (detoxified APX I, APX II, APX III) produced by *Actinobacillus pleuropneumoniae* strains. **VACCINE** G2295 **Indications:** Immunisation of weaner pigs as an aid in the control of pleuropneumonia caused by *Actinobacillus pleuropneumoniae*. –P. 10, 25, 50, 125 doses **Dosage:** 2ml deep im behind the ear from 6 weeks of age. Vacc. at 6 and 10 weeks of age. **W/T:** Meat 0 days. **P/I:** Use within 10 hours of opening. **See also IDR page 615**

PORCILIS® AR-T DF, Intervet SA (MSD Animal Health)
Contains a non-toxic recombinant derivative of the *P. multocida* toxin (Protein dO) and inactivated *B. bronchiseptica* cells. **VACCINE** G2873 **Indications:** Vacc. of sows and gilts to reduce progressive atrophic rhinitis (AR) by passive oral immunisation with colostrum from dams actively immunised with the vacc. –P. 10, 25, 50, 125 doses **Dosage:** Shake vigorously before use. 2ml/animal im just behind the ear. Revacc. with 1 dose prior to each subsequent farrowing. See literature. **P/I:** After vacc., a transient raise in body temperature may occur and a transient swelling may arise at the site of injection. **See also IDR page 616**

PORCILIS® COLI, Intervet SA (MSD Animal Health)
E. coli LT toxoid, *E. coli* antigens F4ab (K88ab), F4ac (K88ac), F5 (K99) and F6 (987P).

VACCINE G2513
Indications: Prevention of neonatal *Escherichia* enterotoxigenesis in piglets. Progeny of properly vacc. sows and gilts derive a passive immunity via the colostrum. –P. 20ml (10 doses), 50ml (25 doses)
Dosage: Sows and gilts: 2ml im in the neck or behind the ear 3-4 weeks before farrowing. Allow for a 6 week interval between primary and secondary vacc. Re-vacc. between every 2 farrowings, i.e. every 5-6 months.

See also IDR page 616
PORCILIS® COLICLOS, Intervet SA (MSD Animal Health)
E. coli and *C. perfringens* components. **VACCINE** G4374

Indications: Immunisation of sows and gilts to reduce mortality and clinical signs during the first days of life, caused by those *Escherichia coli* strains, which express the adhesins F4ab (K88ab), F4ac (K88ac), F5 (K99), F6 (987P) and/or produce LT and caused by *Clostridium perfringens* type C. –P. 20ml, 50ml, 100ml, 200ml, 250 ml
Dosage: 2ml/animal im, in the neck region behind the ear. Primary vacc.: Sows/gilts that have not yet been vacc. with Porcilis® ColiClos: Admin. a primary inj. 6-8 weeks before farrowing date and a booster inj. 4 weeks later. See literature.
W/T: 21 days.
P/I: Day of vacc.: An increase in body temperature up to 2°C may be seen as well as reduced activity and lack of appetite. Painful and hard swelling up to 10cm may occur for up to 25 days at inj. site.

See also IDR page 616

PORCILIS® GLÄSSER, Intervet SA (MSD Animal Health)
Per 2ml: Contains 200mg inactivated whole cell concentrate of *Haemophilus parasuis* serotype 5, strain 4 800 containing 0,05mg TN with 150mg dl-a-tocopherol acetate as adjuvant.

VACCINE G4402
Indications: An aid in protection against clinical signs of Glässer's disease caused by *Haemophilus parasuis* serotype 5. For passive immunisation of the progeny of vacc. sows and gilts to reduce clinical signs and mortality caused by *Haemophilus parasuis* serotypes 4 and 5. –P. Onset of immunity: 2 weeks after booster inj. Duration of immunity: until at least 23 weeks of age. 25, 50 doses
Dosage: Shake well before and during use. Admin. 2ml im in the neck. Pigs: Vacc. at 5 weeks or older only 2 x with an interval of 2 weeks. Sows: Vacc. at 6-8 weeks before farrowing, 2 x with an interval of 4 weeks.

Revacc. of sows, pigs older than passive immunity protection and *Haemophilus parasuis* infection: See literature.
W/T: 21 days.
C/I: Do not mix with any other vacc. or immunological product. Do not use within 2 weeks of antimicrobial treatment.

See also IDR page 618

PORCILIS® LAWSONIA, Intervet SA (MSD Animal Health)
Lawsonia intracellularis strain SPAH-08 inactivated ≥5 323 U/2ml.

VACCINE G4472
Indications: To reduce clinical signs, loss of daily weight gain, intestinal lesions, bacterial shedding and mortality caused by *Lawsonia intracellularis* infection. –P. Immunity: Onset 4 weeks. Duration 21 weeks.
Dosage: A single dose of 2 ml of reconstituted vacc. im in the neck of pigs starting at 3 weeks of age. See literature.
W/T: 21 days.
C/I: Dot use during pregnancy or lactation. Do not mix with any other medicine, except the solvent supplied or Porcilis® PCV *M Hyo*.
P/I: Vacc. of animals in production may lead to a slight drop in production.

See also IDR page 619

★ **PORCILIS® M HYO ID ONCE, Intervet SA (MSD Animal Health)**
Mycoplasma hyopneumoniae strain 11: 1,0 PCVU1 inducing ≥6,5 log2 Ab titre/0,2ml.
VACCINE G4299
Indications: Immunisation of grower pigs to reduce pulmonary lesions due to infection caused by *Mycoplasma hyopneumoniae*. –P. Onset of immunity: 3 weeks after vacc. Duration of immunity: 22 weeks. 50, 100 doses

Dosage: Shake well before and during use. Use vacc. within 3 hours once the vial has been broached. Admin. 0,2ml/grower pig 2 weeks of age or older intradermally at the sides of the neck along the muscles of the back.

W/T: Meat 21 days.
C/I: Do not use during pregnancy and lactation. Vacc. at least 21 days before breeding.

See also IDR page 621

PORCILIS® PCV, Intervet SA (MSD Animal Health)
Porcine circovirus type 2 ORF 2 subunit antigen: >4,5 log; ELISA units/2ml.

VACCINE G3936
Indications: To reduce the virus load in blood and lymphoid tissues and to reduce weight loss associated with PCV2 infection occurring during the fattening period. Onset of immunity: 2 weeks. Duration of immunity: 22 weeks. –P. 100ml
Dosage: 2ml im in the neck behind the ear. First injection at 3 days of age; 2nd injection 2-3 weeks later.

P/I: Do not mix with any other vacc. or immunological product.

See also IDR page 622

PORCILIS® PCV ID, Intervet SA (MSD Animal Health)
Porcine circovirus type 2 ORF2 subunit antigen ≥1 436 AU, dl-a-tocopheryl acetate 0,6mg, light liquid paraffin 8,3mg/0,2ml.

VACCINE G4355
Indications: To reduce viraemia, virus load in lungs and lymphoid tissues and virus shedding, caused by PCV2 infection. To reduce loss of daily weight gain and mortality associated with PCV2 infection. –P. Onset of immunity: 2 weeks after vacc. Duration of immunity: 23 weeks after vacc. 10ml, 50ml, 100ml
Dosage: Admin. 0,2ml/animal 3 weeks or older intradermally, preferably at the sides of the neck, along the muscles of the back or in the hind leg. Avoid multiple broaching of the 10ml vial.

W/T: Meat 21 days.
C/I: Do not mix with any other medicinal product.

P/I: Contains mineral oil.

See also IDR page 622

PORCILIS® PCV M HYO, Intervet SA (MSD Animal Health)
Per 2ml: Porcine circovirus type 2 ORF2 subunit antigen ≥2,828 AU, *M. hyopneumoniae* J strain inactivated ≥2,69 RPU.

VACCINE G4354
Indications: Reduction of viraemia, virus load in lungs and lymphoid tissues, virus shedding caused by porcine circovirus type 2 (PCV2) infection, and severity of lung lesions caused by *Mycoplasma hyopneumoniae* infection. To reduce the loss of daily weight gain during the finishing period in face of infections with *Mycoplasma hyopneumoniae* and/or PCV2. –P. Onset of immunity with 1 dose vacc: PCV2: 2 weeks after vacc. *M. hyopneumoniae*: 4 weeks after vacc. Onset of immunity with repeated dose vacc: PCV2: 18 days after 1st vacc. *M. hyopneumoniae*: 3 weeks after 2nd vacc. Duration of immunity both vacc. schedules: PCV2: 22 days after the last vacc. *M. hyopneumoniae*: 21 weeks after the last vacc. 20ml, 50ml, 100ml, 200ml, 500ml

Dosage: Shake well before use. Vacc. 2ml im in the neck at 3 weeks of age. When PCV2 and/or *M. hyopneumoniae* infections occur early 2 x 1ml im at 3 days of age, with 2nd dose at least 18 days later.
W/T: Meat and offal 21 days.

C/I: Do not mix with any other medicinal product.

See also IDR page 623

PORCILIS® PORCOLI DF, Intervet SA (MSD Animal Health)
Each dose of 2ml contains the F4ab (K88ab) fimbrial adhesin, the F4ac (K88ac) fimbrial

adhesin, the F5 (K99) fimbrial adhesin, the F6 (987P) fimbrial adhesin and LT toxoid, which induce a mean antibody titre of respectively ≥9,0 log₂ Ab titre, ≥5,4 log₂ Ab titre, ≥6,8 log₂ Ab titre, ≥7,1 log₂ Ab titre and ≥6,8 log₂ Ab titre after vacc. of mice 1/20 dose.

VACCINE G3164

Indications: For the passive immunisation of piglets by active immunisation of sows/gilts to reduce mortality and clinical signs, such as diarrhoea due to neonatal enterotoxigenesis during the first days of life, caused by those *E. coli* strains, which express the fimbrial adhesins F4ab (K88ab), F4ac (K88ac), F5 (K99) or F6 (987P). –P. 20ml, 50ml, 100ml

Dosage: Sows and gilts: 2ml/animal in the neck in the area behind the ear. Sows/gilts which have not yet been vacc. with the product: Inject 6-8 weeks before the expected date of farrowing and a booster injection 4 weeks later. A single revacc. shall be carried out during the 2nd half of next pregnancies, preferably 2-4 weeks before the expected date of farrowing.

P/I: Do not mix the vacc. with any other veterinary medicinal products.

See also IDR page 624

SUISENG, Hipra SA
E. coli, toxoid *Clostridium perfringens* type C, toxoid *Clostridium novyi* type B.

VACCINE G4080
Indications: Sows and gilts: Active immunisation of breeding sows and gilts to induce seroneutralising antibodies against the toxin of *Clostridium perfringens*. Antibodies have been detected 3 weeks after vacc. 10, 25, 50, 125 doses

Dosage: 2ml im/animal into neck muscles. Dose 1: 6 weeks before farrowing. Dose 2: 3 weeks before farrowing.

W/T: Meat 21 days.

See also IDR page 619

VEPURED, Hipra SA
Each 1ml dose contains Recombinant verotoxin 2e of *E. coli* RP 1,50.

VACCINE G4432

Indications: Immunisation of piglets from 2 days of age to prevent mortality and reduce clinical signs of oedema disease (caused by verotoxin 2e produced by *E. coli*) and to reduce the loss of daily weight gain during the nishing period in the face of infections with verotoxin 2e producing *E. coli* until slaughter from 164 days of age. –P. Immunity: Onset: 21 days after vacc. Duration: 112 days after vacc. 10, 50, 100, 250 doses

C/I: Do not use during pregnancy and lactation.
P/I: Do not mix with any other veterinary medicinal product.

See also IDR page 371

19.3.2. Inactivated vaccines

CIRCOVAC, Ceva AH

Per reconstituted 2ml dose: Inactivated porcine circovirus Type 2 (PCV2) ≥2,1 log₁₀ ELISA units thiomersal 0,20mg oil adjuvant q.s. 2ml.

VACCINE G3871

Indications: Sows or gilts: Passive immunisation of piglets via the colostrum, after admin. to sows and gilts, to reduce infection and virus excretion, lesions and clinical signs caused by the porcine circovirus type 2. Piglets: Active immunisation to reduce infection and virus excretion, lesions and clinical signs caused by the porcine circovirus type 2. –P. Suspension and emulsion: See literature. 100ml

Dosage: Use within 3 hours after reconstitution. See literature.

W/T: Meat 21 days.

See also IDR page 205

ENTERICOLIX, Boehringer

Inactivated strains of *Escherichia coli* expressing the adhesins F4ac, F5, F6, F18ab, F18ac and F41 as well as β-enterotoxin from *Clostridium perfringens* Type C.

VACCINE G4531
Indications: Vacc. of sows and gilts for the passive immunization of piglets against colibacillosis caused by enteropathogenic and enterotoxigenic *E. coli* strains expressing F4ac, F5, F6, F18ac and F41 adhesins, against oedema disease caused by *E. coli* strain expressing F18ab adhesin and against necrotic enteritis caused by *C. perfringens* Type C. –P. 50ml (25 doses)

Dosage: Sows and gilts: 2ml/animal for all weights and ages im. in the neck muscle. The initial course consists of 2 doses. Admin. 1 dose 7 weeks before farrowing followed by a 2nd dose 4 weeks before farrowing. Revacc. with a single dose 4 weeks before farrowing in subsequent gestation periods.

W/T: Meat 21 days.

C/I: Do not use within 2 weeks of antimicrobial treatment. The vacc. should not be given in the 4 week period before the expected farrowing date.

P/I: A transient increase in body temperature (maximum 2°C) can be observed between 4-24 hours after vacc. The vacc can produce short term apathy between 1 and 2 days post-vacc., which may last for up to 7 days after vacc.

ERYSENG® PARVO/LEPTO, Hipra SA

Per dose: Inactivated porcine parvovirus, strain NADL-2 RP >1,15; Inactivated *Erysipelothrix rhusiopathiae*, strain R32E11 ELISA >3,34 IE₅₀. Inactivated *Leptospira interrogans* serovar Icterohaemorrhagiae 10⁸ microorg; Inactivated *Leptospira*

interrogans serovar Canicola 10⁸ microorg; Inactivated *Leptospira interrogans* serovar Pomona 10⁸ microorg; Inactivated *Leptospira interrogans* serovar Hardjo 10⁸ microorg; Inactivated *Leptospira interrogans* serovar Grippotyphosa 10⁸ microorg; Inactivated *Leptospira interrogans* serovar Bratislava 10⁸ microorg.

VACCINE G4419

Indications: Protection of progeny against transplacental infection caused by porcine parvovirus. Prevention of clinical signs and lesions caused by *Erysipelas*, serotype 1 and serotype 2. Prevention of leptospirosis. –P. 10, 15, 25, 50 doses

Dosage: Admin. 1 x 2ml dose im in the neck muscles according to the following schedule: Basic vacc.: Pigs from 6 months of age which have not been previously vacc. with the product: Admin. 2 injections with an interval of 3-4 weeks. Admin. 2nd injection 3-4 weeks before mating. Revacc.: Admin. 1 injection 2-3 weeks prior to each subsequent mating. **C/I:** Do not use in case of hypersensitivity to the active substances, to the adjuvants or excipients.

See also IDR page 355

FARROWSURE GOLD B, Zoetis

Chemically inactivated porcine parvovirus grown on an established porcine cell line; a serum-free, clarified *E. rhusiopathiae* culture, and whole cell culture of the 6 *Leptospira* serovars and adjuvanted with two adjuvants, including an oil adjuvant Amphigen® to enhance and prolong the immune response without causing detectable tissue damage at the injection site.

VACCINE G3890

Indications: An aid in the prevention of reproductive failure caused by porcine parvovirus (PPV), erysipelas caused by *Erysipelothrix rhusiopathiae*, and leptospirosis caused by *Leptospira bratislava*, *L. canicola*, *L. grippotyphosa*, *L. hardjo*, *L. icterohaemorrhagiae*, and *L. pomona*. An 18 week duration of immunity following vacc. has been demonstrated against erysipelas. –P. 50 dose vials

Dosage: 2ml im. Admin. 2 doses 3-5 weeks apart with the 2nd dose 2-4 weeks prior to breeding. Gilts: Admin. 2nd dose as near as possible to 14 days prior to breeding. Revacc. with single dose prior to subsequent breedings. Revacc. boars semi-annually.

W/T: Meat 21 days.

See also IDR page 834

FOSTERA® PCV METASTIM®, Zoetis

Porcine Circovirus vacc., Type 1-Type 2 Chimera, killed virus.

VACCINE G3813

Indications: Vacc. of pigs 3 weeks of age or older as an aid in preventing viremia; lymphoid depletion and colonisation of

lymphoid tissue caused by porcine circovirus type 2, and as an aid in reducing PCV2 virus shedding. –P.
50, 250 doses
Dosage: Vacc. pigs 3 weeks of age or older. Admin. a single 2ml dose im. May also be admin. as 2 x 1 ml doses 2 weeks apart. Revacc. after 23 weeks with a single dose.
W/T: 21 days.
C/I: Do not inject iv. Do not freeze. Use entire contents when first opened.
P/I: Do not mix this vacc. with any other vacc. or medication.
See also IDR page 836

FOSTERA® PCV MH, Zoetis
Porcine Circovirus vacc., Type 1 – Type 2 Chimera killed virus. *Mycoplasma hyopneumoniae* bacterin.
VACCINE G4225
Indications: Vacc. for pigs, 3 weeks or older, as an aid in preventing viraemia, lymphoid depletion, histiocytic replacement and colonisation of lymphoid tissue caused by porcine circovirus type 2 (PCV2); and as an aid in reducing PCV2 virus shedding and pneumonia caused by *M. hyopneumoniae*. –P.
10, 50, 250 doses
Dosage: Shake well before use. Aseptically inject 2ml/pig im in pigs 3 weeks or older. Duration of 23-week immunity has been substantiated.
W/T: Meat 21 days.
P/I: Do not mix with other vacc. or products.
See also IDR page 837

HIPRASUIS GLÄSSER, Hipra SA
Inactivated *Glaesserella (Haemophilus) parasuis*, serotype 1 ≥1/16 MAT*, inactivated *Glaesserella (Haemophilus) parasuis* serotype 6 ≥1/16 MAT*
*MAT: Mean titre obtained by the plate agglutination test.
VACCINE G4471
Indications: For the active immunization of swine to reduce the infection, clinical signs and the mortality caused by Glässer's Disease. –P.
10 doses (20ml), 50 doses (100ml)
Dosage: 2ml/animal for all weights, ages and sex im in the neck muscles, behind the ear base. Sows: vacc. of the whole group from 3-4 weeks of age with a dose and revacc. 3 weeks later. Apply a booster vacc. every 6 months. See literature.
W/T: 21 days.
C/I: Do not use within 2 weeks of antimicrobial treatment.
See also IDR page 362.

HYOGEN, Ceva AH
Inactivated *Mycoplasma hyopneumoniae* culture.
VACCINE G4124
Indications: Vacc. against porcine enzootic pneumonia caused by *Mycoplasma hyopneumoniae*. –P.
50ml, 100ml, 250ml

Dosage: Shake bottle well before and during use. Admin. a single dose of 2ml from 21 days of age. See literature.
W/T: Meat: 21 days.
See also IDR page 223
IMPROVAC, Zoetis
Analogue of GnRF linked to a carrier protein.
VACCINE G3643
Indications: Controls boar taint caused by the accumulation of taint substances (including androstenone and skatole) in entire male pigs. Allows entire male pig to be presented for slaughter at a heavier mass and/or older age with improved meat quality. –P.
100ml, 250ml
Dosage: 2ml sc at the base of the neck, immediately behind the ear. Admin. 2 doses with an interval of at least 4 weeks. Give 2nd dose 4-5 weeks before slaughter.
C/I: Do not use in sows or breeding stock. Inadvertent vacc. of male breeding stock may affect subsequent fertility.
P/I: Not to be admin. by women of child-bearing age.
See also IDR page 838

INGELVAC CIRCOFLEX, Boehringer
Inactivated vaccine of porcine circovirus type 2 ORF2 protein: Mini RP* 1,0, max RP* 3,75/ml.
VACCINE G3808
Indications: Immunisation to reduce mortality, clinical signs and lesions of acute and chronic porcine circovirus disease (PCVD) and to prevent effects of PCVD such as weight loss, growth variability and increased time to slaughter. Reduces PCV2 excretion, viral load and virus persistence in the body. –P.
100ml (100 doses), 50ml (50 doses)
Dosage: Admin. a single 1ml dose im to pigs 2 weeks of age and older, irrespective of bm.
W/T: 0 days.
See also IDR page 126

INGELVAC MYCOFLEX, Boehringer
Inactivated *Mycoplasma hyopneumoniae*, strain J, isolate B-3745.
VACCINE G3933
Indications: For pigs from 3 weeks of age to reduce lung lesions following infection with *Mycoplasma hyopneumoniae*. Onset of immunity: by 2 weeks post vacc. Duration of immunity: at least 26 weeks. –P.
100ml (100 doses), 50ml (50 doses)
Dosage: Single use 1ml im in the neck of pigs 3 weeks of age and older. Combined use with Ingelvac Circoflex: Shake each bottle before use. Mix the full contents of each bottle. Single 2ml dose im.
W/T: Meat 21 days.
See also IDR page 127

LITTERGUARD LT-C, Zoetis
Enterotoxigenic strains of *Escherichia coli*, *Clostridium perfringens* type C.
VACCINE G2378

Indications: Neonatal diarrhoea. –P.
100ml (50 x 2ml doses)
Dosage: 2ml im/sc to pregnant sows/gilts. Admin. 2 doses 3 weeks apart during last half of pregnancy. 2nd dose at least 2 weeks before farrowing. Revacc.: 1 dose 2 weeks prior to each subsequent farrowing.
W/T: Meat 21 days.
P/I: If anaphylaxis, hypersensitivity occurs, administer adrenaline or equivalent.
See also IDR page 842

RESPISURE, Zoetis
Whole cell culture of *Mycoplasma hyopneumoniae* and amphigen.
VACCINE G3358
Indications: Chronic pneumonia. –P.
100ml (50 x 2ml doses)
Dosage: 2 x 2ml doses im 2 weeks apart. Primary vacc.: 2ml dose to piglets of 1 week of age with booster 2-3 weeks later. Pregnant swine: Vacc. at 6 weeks and 2 weeks prior to farrowing. Revacc. Rams: 2 weeks before farrowing. Boars: semi-annually.
RESPISURE-ONE G2374
Indications: Prevention of chronic pneumonia in healthy pigs one day and older. –P.
100ml (50 x 2ml doses)
Dosage: 2ml im at 1 day of age and older. Provides protection for 25 weeks.
W/T: Meat 21 days.
P/I: If anaphylaxis, hypersensitivity occurs, admin. adrenaline or equivalent.
See also IDR page 858

SUISENG, Hipra SA
E. coli, toxoid *Clostridium perfringens* type C, toxoid *Clostridium novyi* type B.
VACCINE G4080
Indications: Piglets: For the passive protection of neonatal piglets by active immunisation of breeding sows and gilts to reduce mortality and diarrhoea. –P.
10, 25, 50, 125 doses
Dosage: 2ml im/animal into neck muscles. Dose 1: 6 weeks before farrowing. Dose 2: 3 weeks before farrowing.
W/T: Meat 21 days.
See also IDR page 370

TETANUS, OBP
Formalinised, Al(OH)3 adsorbed toxoid of *Cl. tetani*.
VACCINE G115
Indications: Tetanus. –B, E, O, Cap, P, Can. 3 x 10 doses
Dosage: 1ml sc. annual booster.
W/T: Meat 7 days.

19.4. Cats

19.4.1. Live vaccines

FELOCELL 3, Zoetis
Attenuated live virus strains of feline viral herpesvirus type 1, calicivirus, and panleukopenia virus (Johnson Snow Leopard strain).
Indications: Aid in preventing Feline Viral Rhinotracheitis (FVR) caused by Feline Herpesvirus-1, feline respiratory disease caused by Feline Calicivirus (FCV), and Feline Panleukopenia (FPL) caused by Feline Panleukopenia Virus. –F.
25 x 1 dose
Dosage: Admin. 1ml im/sc. <9 weeks old: 1 dose every 3-4 weeks, until 12 weeks old; 9 weeks and older: 2 doses, 3-4 weeks apart. Revacc. annually.
C/I: Vacc. of pregnant queens should be avoided.
See also IDR page 835

FELOCELL 4, Zoetis
Attenuated strains of feline herpesvirus type1, calicivirus, panleukopenia virus (Johnson Snow Leopard strain) and *Chlamydomydia felis* propagated on established cell lines and lyophilised to preserve stability.
VACCINE G2913
Indications: Vacc. of healthy cats and kittens as an aid in preventing Feline Viral Rhinotracheitis (FVR) caused by Feline Herpesvirus-1, feline respiratory disease caused by Feline Calicivirus (FCV), feline panleukopenia (FPL) caused by feline panleukopenia virus and feline chlamydiosis caused by *Chlamydomydia felis*. –F.
25 x 1 dose vials
Dosage: 1ml sc or im. Primary vacc.: 12 weeks or older: 2 doses, 3-4 weeks apart. Cats vacc. at <12 weeks of age: revacc. at 12 weeks. Revacc.: Annually with a single dose.
C/I: Do not vacc. pregnant cats.
P/I: Do not mix with other vacc.
See also IDR page 835

NOBIVAC® FELINE 1-HCP, Intervet SA (MSD Animal Health)
Feline rhinotracheitis-calici-panleukopaenia vacc.
VACCINE G3880
Indications: Immunisation against feline rhinotracheitis, calici virus and panleuko-paenia. –F.
25 x 1 dose vials with sterile diluent
Dosage: Rehydrate. Inject 1ml sc or im at 9 weeks of age or older. Repeat with 2nd dose at 3-4 week intervals. Annual revacc.
C/I: Do not vacc. pregnant cats.
See also IDR page 591

NOBIVAC® FELINE 1-HCPCH, Intervet SA (MSD Animal Health)
Feline panleukopaenia, rhinotracheitis, calici viruses and *Chlamydomydia felis*, (*Chlamydia psittaci*). –F.
VACCINE G3882
Indications: Immunisation against panleukopaenia, rhinotracheitis, calici viruses and *Chlamydomydia felis*, (*Chlamydia psittaci*). –F.
25 x 1 dose vials

VACCINE G3131
Indications: Aid in preventing Feline Viral Rhinotracheitis (FVR) caused by Feline Herpesvirus-1, feline respiratory disease caused by Feline Calicivirus (FCV), and Feline Panleukopenia (FPL) caused by Feline Panleukopenia Virus. –F.
25 x 1 dose
Dosage: Admin. 1ml im/sc. <9 weeks old: 1 dose every 3-4 weeks, until 12 weeks old; 9 weeks and older: 2 doses, 3-4 weeks apart. Revacc. annually.
C/I: Vacc. of pregnant queens should be avoided.
See also IDR page 835

FELOCELL 4, Zoetis
Attenuated strains of feline herpesvirus type1, calicivirus, panleukopenia virus (Johnson Snow Leopard strain) and *Chlamydomydia felis* propagated on established cell lines and lyophilised to preserve stability.
VACCINE G2913
Indications: Vacc. of healthy cats and kittens as an aid in preventing Feline Viral Rhinotracheitis (FVR) caused by Feline Herpesvirus-1, feline respiratory disease caused by Feline Calicivirus (FCV), feline panleukopenia (FPL) caused by feline panleukopenia virus and feline chlamydiosis caused by *Chlamydomydia felis*. –F.
25 x 1 dose vials
Dosage: 1ml sc or im. Primary vacc.: 12 weeks or older: 2 doses, 3-4 weeks apart. Cats vacc. at <12 weeks of age: revacc. at 12 weeks. Revacc.: Annually with a single dose.
C/I: Do not vacc. pregnant cats.
P/I: Do not mix with other vacc.
See also IDR page 835

NOBIVAC® FELINE 1-HCP, Intervet SA (MSD Animal Health)
Feline rhinotracheitis-calici-panleukopaenia vacc.
VACCINE G3880
Indications: Immunisation against feline rhinotracheitis, calici virus and panleuko-paenia. –F.
25 x 1 dose vials with sterile diluent
Dosage: Rehydrate. Inject 1ml sc or im at 9 weeks of age or older. Repeat with 2nd dose at 3-4 week intervals. Annual revacc.
C/I: Do not vacc. pregnant cats.
See also IDR page 591

NOBIVAC® FELINE 1-HCPCH, Intervet SA (MSD Animal Health)
Feline panleukopaenia, rhinotracheitis, calici viruses and *Chlamydomydia felis*, (*Chlamydia psittaci*). –F.
VACCINE G3882
Indications: Immunisation against panleukopaenia, rhinotracheitis, calici viruses and *Chlamydomydia felis*, (*Chlamydia psittaci*). –F.
25 x 1 dose vials

NOBIVAC® FELINE 1-HCP + FELV, Intervet SA (MSD Animal Health)
Feline leukaemia-rhinotracheitis-calici-panleukopaenia vacc.
VACCINE G3881
Indications: Immunisation against feline rhinotracheitis, calici virus and panleukopaenia. –F.
25 x 1 dose vials with sterile diluent
Dosage: Rehydrate. Inject 1ml sc or im at 9 weeks of age or older. Repeat with 2nd dose at 3-4 week intervals. Annual revacc.
C/I: Do not vacc. pregnant cats.
See also IDR page 591

NOBIVAC® TRICAT TRIO, Intervet SA (MSD Animal Health)
A combination vacc. with live attenuated strains of feline viral rhinotracheitis virus, strain G2620A, feline calicivirus strain F9 and feline panleucopenia virus strain MW-1 grown in cell culture and presented as a freeze-dried plug.
VACCINE G3712
Indications: For the active immunisation of healthy cats from 8 weeks of age to reduce clinical signs and virus excretion caused by an infection with feline calicivirus and feline rhinotracheitis virus and to prevent clinical signs, virus excretion and leucopenia caused by feline panleucopenia virus. –F.
5, 10, 25 or 50 single doses
Dosage: 1ml sc. 1st dose at 8-9 weeks of age and 2nd dose at 12 weeks of age. Revacc.: A single dose yearly, even though FPLV only needs to be revacc. every 3 years. The FCV and FVR need to be vacc. yearly.
C/I: Do not vacc. during pregnancy and lactation.
P/I: Do not freeze.
See also IDR page 599

PUREVAX, Boehringer
Feline leukaemia recombinant Canarypox (vCP97).
PUREVAX FELINE FeLV G3669
Indications: Prevention of persistent viraemia and clinical manifestations of feline leukaemia in cats 8 weeks or older. –F.
10(50) vials
Dosage: 1ml sc. 1st injection from 8 weeks of age. 2nd injection from 12 weeks of age (at least 3-5 weeks after first vacc.). Revacc. annually.
See also IDR page 154

DEFENSOR 3, Zoetis
Inactivated rabies virus.
VACCINE G1921

Dosage: 1ml rehydrated vacc. sc or im at 9 weeks of age or older. Repeat 3-4 weeks later. Annual revacc.
C/I: Do not vacc. pregnant cats.
See also IDR page 592
NOBIVAC® FELINE 1-HCP + FELV, Intervet SA (MSD Animal Health)
Feline leukaemia-rhinotracheitis-calici-panleukopaenia vacc.
VACCINE G3881
Indications: Immunisation against feline rhinotracheitis, calici virus and panleukopaenia. –F.
25 x 1 dose vials with sterile diluent
Dosage: Rehydrate. Inject 1ml sc or im at 9 weeks of age or older. Repeat with 2nd dose at 3-4 week intervals. Annual revacc.
C/I: Do not vacc. pregnant cats.
See also IDR page 591

NOBIVAC® TRICAT TRIO, Intervet SA (MSD Animal Health)
A combination vacc. with live attenuated strains of feline viral rhinotracheitis virus, strain G2620A, feline calicivirus strain F9 and feline panleucopenia virus strain MW-1 grown in cell culture and presented as a freeze-dried plug.
VACCINE G3712
Indications: For the active immunisation of healthy cats from 8 weeks of age to reduce clinical signs and virus excretion caused by an infection with feline calicivirus and feline rhinotracheitis virus and to prevent clinical signs, virus excretion and leucopenia caused by feline panleucopenia virus. –F.
5, 10, 25 or 50 single doses
Dosage: 1ml sc. 1st dose at 8-9 weeks of age and 2nd dose at 12 weeks of age. Revacc.: A single dose yearly, even though FPLV only needs to be revacc. every 3 years. The FCV and FVR need to be vacc. yearly.
C/I: Do not vacc. during pregnancy and lactation.
P/I: Do not freeze.
See also IDR page 599

PUREVAX, Boehringer
Feline leukaemia recombinant Canarypox (vCP97).
PUREVAX FELINE FeLV G3669
Indications: Prevention of persistent viraemia and clinical manifestations of feline leukaemia in cats 8 weeks or older. –F.
10(50) vials
Dosage: 1ml sc. 1st injection from 8 weeks of age. 2nd injection from 12 weeks of age (at least 3-5 weeks after first vacc.). Revacc. annually.
See also IDR page 154

19.4.2. Inactivated vaccines

DEFENSOR 3, Zoetis
Inactivated rabies virus.
VACCINE G1921

Indications: Aid in preventing rabies. –B, O, Can, F.
5x 10 doses
Dosage: Can, F: 1ml im/sc. B, O: 2ml im. Admin. single dose at 3 months or older. Repeat 1 yr later.
W/T: Meat 21 days.
See also IDR page 814
RABISIN, Boehringer
Inactivated adjuvanted rabies vaccine.
VACCINE G1250
Indications: Rabies. –Can, F, E, B, O, Cap, Game.
1 x 10 doses
Dosage: E: 1ml sc/im. Primary: From 4 months of age. If born to vacc. mothers, vacc. at 9 months only. Booster: 1 year later, then every 3 years.
See also IDR page 154

ZERORAB, Afrivet
Inactivated rabies virus (potency >1,0iu per dose) propagated in cell line BHK-21, inactivated with an aziridine compound and adsorbed onto adjuvant aluminium hydroxide.
VACCINE G3859
Indications: Immunisation against rabies. –B, O, Cap, Can, F
1ml, 10ml
Dosage: 1ml for all species sc or im. Give 1st vacc. at 12 weeks of age. See literature.
W/T: B, O, Cap: Meat 21 days.
C/I: Do not vacc. animals younger than 3 months.
See also IDR page 56

19.5. Dogs

19.5.1. Live vaccines

LIVACOX® Q, Afrivet
Eimeria acervulina 3-5 x 10⁴ oocysts/ml, *Eimeria tenella* 3-5 x 10⁴ oocysts/ml, *Eimeria máxima* 3-5 x 10⁴ oocysts/ml, *Eimeria necatrix* 1 x 10⁴ oocysts/ml.
VACCINE G3678
Indications: Life-long immunity against coccidiosis in layer and breeder chickens. –Poultry.
1 000, 5 000 doses
Dosage: Layers and breeders: Spray method: 1 day-old chicks. Drinking water: chicks 5-10 days old. See literature.
W/T: Meat 21 days.
C/I: Do not use anticoccidial drugs in the feed during the whole growing period.
P/I: Do not freeze.
See also IDR page 39

LIVACOX® T, Afrivet
Eimeria acervulina 3-5 x 10⁴ oocysts/ml, *Eimeria tenella* 3-5 x 10⁴ oocysts/ml, *Eimeria máxima* 3-5 x 10⁴ oocysts/ml.
VACCINE G3679

Indications: Life-long immunity against coccidiosis in broiler chickens. –Poultry. 1 000, 5 000 doses

Dosage: Broilers: Spray method: 1 day-old chicks in hatcheries. Drinking water: chicks 5-10 days old. See literature.

W/T: Meat 21 days.

C/I: Do not use anticoccidial drugs in the feed during the whole growing period.

P/I: Do not freeze.

See also IDR page 39

NOBIVAC® CANINE 1-DAPPV, Intervet SA (MSD Animal Health)

Canine distemper, adenovirus type-2, parainfluenza virus and parvovirus type 2b strain.

VACCINE G3892

Indications: Immunisation against canine distemper, adenovirus type-2, infectious canine hepatitis, parainfluenza and parvovirus. –Can.

25 x 1 dose vials with sterile diluent

Dosage: Rehydrate. Inject 1ml sc or im at 6 weeks of age or older. Repeat at 3-4 week intervals until dog is 12 weeks old. Annual revacc.

C/I: Do not vacc. pregnant bitches.

See also IDR page 588

NOBIVAC® CANINE 1-DAPPV + CV, Intervet SA (MSD Animal Health)

Canine distemper virus, adenovirus type-2, parainfluenza virus, parvovirus type 2b strain and killed feline enteric coronavirus. –Can.

VACCINE G3895

Indications: Immunisation against canine distemper, adenovirus type-2, infectious canine hepatitis, parainfluenza, parvovirus and coronavirus. –Can.

25 x 1 dose vials with sterile diluent

Dosage: Rehydrate. Inject 1ml sc or im at 6 weeks of age or older. Repeat at 3-4 week intervals until dog is 12 weeks old. Annual revacc.

C/I: Do not vacc. pregnant bitches.

See also IDR page 588

NOBIVAC® CANINE 1-DAPPV L2, Intervet SA (MSD Animal Health)

Canine distemper, adenovirus type-2, parainfluenza virus, parvovirus type 2b strain and inactivated *Leptospira* bacterin.

VACCINE G3898

Indications: Immunisation against canine distemper, adenovirus type-2, infectious canine hepatitis, parainfluenza, parvovirus and leptospirosis. –Can.

25 x 1 dose vials with sterile diluent.

Dosage: Rehydrate. Inject 1ml sc or im at 6 weeks of age or older. Repeat at 3-week intervals until dog is 12 weeks old. Annual revacc.

C/I: Do not vacc. pregnant bitches.

See also IDR page 589

NOBIVAC® CANINE 1-PV, Intervet SA (MSD Animal Health)

CPV type 2b strain.

VACCINE G3894

Indications: Immunisation against canine parvovirus. –Can.

25 x 1 dose vials

Dosage: 1ml sc or im at 6 weeks of age or older. Repeat dosage at 3-4 week intervals until the dog is 12 weeks of age. A min. of 2 x 1ml doses is required for primary immunisation. Annual revacc.

C/I: Do not vacc. pregnant bitches.

See also IDR page 590

NOBIVAC® DHPI, Intervet SA (MSD Animal Health)

Attenuated strain of canine-distemper virus, hepatitis (CAV2), parvovirus, parainfluenza in cell-line tissue culture.

VACCINE G2377

Indications: Canine-distemper, contagious hepatitis, parvovirus and parainfluenza virus infection. –Can.

10 x 1 dose

See also IDR page 590

NOBIVAC® KC, Intervet SA (MSD Animal Health)

Live *Bordetella bronchiseptica* bacteria strain B-C2 and canine parainfluenza virus strain Cornell.

VACCINE G2604

Indications: Kennel cough. –Can.

5 x 1 dose vial + diluent

Dosage: 0,4ml in nostril.

See also IDR page 593

★ NOBIVAC® L6, Intervet SA (MSD Animal Health)

Inactivated *Leptospira* strains: *L. interrogans* serogroup *Canicola* serovar Portland-vere (strain Ca-12-000), *L. interrogans* serogroup Icterohaemorrhagiae serovar, Copenhageni (strain Ic-02-001), *L. interrogans* serogroup Australis serovar Bratislava (strain As-05-073), *L. kirschneri* serogroup Grippotyphosa serovar Dadas (strain Gr-01-005)/mil.

VACCINE G4882

Indications: For immunisation against Leptospirosis. See literature. –Can. Immunity: Onset 3 weeks. Duration 1 year.

5, 10, 25, 50 doses

Dosage: Use at room temperature. Admin. 2 x 1ml sc with an interval of 4 weeks to dogs from 6 weeks of age onwards. Revacc. annually. See literature.

C/I: Do not use within 2 weeks of antimicrobial treatment.

See also IDR page 594

NOBIVAC® PUPPY DP, Intervet SA (MSD Animal Health)

Live attenuated strains of canine distemper virus and canine parvovirus.

VACCINE G2323

Indications: Pups: Canine distemper and canine parvovirus disease. –Can.

10 x 1 dose

Dosage: 1ml sc at 6-7 weeks old, preferably before weaning.

See also IDR page 596

NOBIVAC® RESPIRA BB, Intervet SA (MSD Animal Health)

Bordetella bronchiseptica fimbriae/1ml dose.

VACCINE G4506

Indications: Immunisation against *Bordetella bronchiseptica* to reduce clinical signs of upper respiratory tract disease and bacterial shedding post infection. –Can. Immunity: Onset 2 weeks. Duration 7 months after primary vacc. 1 year after re-vacc.

10 doses

Dosage: Use at room temperature. Primary vacc. 1ml sc from the age of 6 weeks onwards. Follow up with 1ml sc with an interval of 4 weeks. Re-vacc.: A single vacc., 7 months after the primary vacc. Revacc. annually. See literature re Nobivac® KC.

C/I: Do not mix with any other product, except those specifically mentioned under the section “Interaction with other medicinal products and other forms of interaction” –see literature.

Safe for use during pregnancy, however the safety has not been investigated during the first 20 days of gestation.

P/I: A transient swelling at the site of injection may commonly be present for up to 25 days post-vacc. Do not contaminate rivers, dams or any water sources with containers or waste.

See also IDR page 597

PRIMODOG, Boehringer

Modified live high titre CPV (C780916-115 strain).

VACCINE G1877

Indications: Canine parvovirus. –Can.

10 x 1 dose

Dosage: Primary: 1ml sc at 6 weeks. Repeat after 2-3 weeks if necessary. High risk: 1ml sc at 4, 6 and 12 weeks.

See also IDR page 151

VANGUARD, Zoetis

VANGUARD PLUS 5 VACCINE G2238

Canine-Distemper Virus, Canine Adenovirus Type 2 (CAV-2), Canine Parainfluenza Virus and Canine Parvovirus on canine cell line culture.

Indications: For the vacc. of healthy dogs 6 weeks of age or older as an aid in preventing canine distemper, infectious hepatitis, respiratory disease, parainfluenza, parvovirus enteritis. –Can.

25 x 1 dose vials

Dosage: Aseptically admin. 1ml sc or im. Healthy dogs 6 weeks of age or older should receive 3 doses, each admin. 3 weeks apart. If puppies are vacc. at 10-12 weeks of age for the 1st time only 2 vacc. 3-4 weeks apart need to be given at the veterinarian's discretion. Annual revacc. with a single dose is recommended.

C/I: Vacc. of pregnant bitches should be avoided.

VANGUARD PLUS 5/CV VACCINE G2605

Modified live Canine Distemper, Adenovirus type 2 (CAV-2), parainfluenza, parvo- and coronavirus on canine cell line culture.

Indications: Vacc. of healthy dogs 6 weeks of age or older as an aid in preventing distemper, infectious hepatitis, respiratory disease, parainfluenza, parvo and coronaviral enteritis. –Can.

25 x 1 dose vials

Dosage: Vacc. of healthy dogs and puppies 6 weeks of age or older is recommended. Aseptically admin. 1ml sc or im. 3 doses, each admin. 3 weeks apart. If puppies are vacc. at 10-12 weeks of age for the 1st time only 2 vacc. 3-4 weeks apart need to be given at the veterinarians discretion. Annual revacc. with a single dose is recommended.

C/I: Vacc. of pregnant bitches should be avoided.

See also IDR page 890

VANGUARD PLUS 5/CV-L, Zoetis

Modified live and killed virus vacc. and bacterin combination product. It contains Canine Distemper Virus, Adenovirus type 2 (CAV-2), parainfluenza virus and low passage, high titre parvo- and coronavirus fraction.

At the low passage level, the parvovirus concentration found in Vanguard Plus 5/CV-L has immunogenic properties capable of overriding interfering levels of maternal CPV antibody. The vacc. consists of a lyophilised vacc. plug, containing inactivated bacterin of *Leptospira canicola* and *L. icterohaemorrhagiae*.

VACCINE G2607

Indications: The vacc. of healthy dogs 6 weeks of age or older as an aid in preventing canine distemper, infectious hepatitis, respiratory disease, parainfluenza, parvo- and coronaviral enteritis, and leptospirosis. –Can.

25 x 1 dose vials

Dosage: Vacc. of healthy dogs and puppies 6 weeks of age or older is recommended. Aseptically admin. 1ml sc or im. 3 doses, each admin. 3 weeks apart. If puppies are vacc. at 10-12 weeks of age for the 1st time only 2 vacc., 3-4 weeks apart need to be given at the veterinarian's discretion. Annual revacc. with a single dose is recommended.

C/I: Do not vacc. pregnant bitches.

See also IDR page 891

VANGUARD PLUS 5/L, Zoetis

Contains canine distempervirus, adenovirus type 2 (CAV-2), parainfluenzavirus and a low-passage, high-titre canine parvovirus fraction. All viruses are grown on established canine cell lines. At the low passage level, the parvovirus concentration has immunogenic properties capable of overriding interfering levels of maternal canine parvovirus (CPV) antibody. The vacc. consists of a vial containing a lyophilised vacc. plug and a clear glass vial containing a bacterin of *Leptospira canicola* and *L. icterohaemorrhagiae* as a sterile diluent for reconstitution.

VACCINE G2237

Indications: For the vacc. of healthy dogs 6 weeks of age or older as an aid in preventing canine distemper, infectious hepatitis, respiratory disease, parainfluenza, parvoviral enteritis and leptospirosis. –Can.

25 x 1 dose vials

Dosage: Vacc. of healthy dogs and puppies 6 weeks of age or older is recommended. Aseptically admin. 1ml sc or im. 3 doses, each admin. 3 weeks apart. If puppies are vacc. at 10-12 weeks of age for the 1st time only 2 vacc. 3-4 weeks apart need to be given at the veterinarian's discretion. Annual revacc. with a single dose is recommended.

C/I: Do not vacc. pregnant bitches.

See also IDR page 891

VANGUARD PLUS DHPI/L4R, Zoetis

Modified live and killed virus vacc. and bacterin. Contains Canine Distemper Virus, Adenovirus type 2 (CAV-2), parainfluenza virus, parvovirus, inactivated rabies virus. Lyophilised vacc. plug containing inactivated bacterin of *Leptospira canicola*, *L. icterohaemorrhagiae*, *L. grippotyphosa*.

VACCINE G4327

Indications: For the active immunisation of dogs from 8-9 weeks of age. For prevention of canine distemper, adenovirus type 1, adenovirus type 2, parainfluenza, parvovirus, rabies, leptospirosis. –Can.

25 x 1 dose vials

Dosage: Primary vacc. scheme: Two doses sc 3-4 weeks apart from 8-9 weeks of age. The 2nd dose should not be given before 12 weeks of age. Single dose should be given every 3 years.

C/I: Do not use during pregnancy and lactation. Do not use in animals showing signs of rabies.

See also IDR page 892

19.5.2. Inactivated vaccines

BRONCHICINE, Zoetis

An inactivated, non-adjuvanted antigenic extract prepared from the cells of *Bordetella bronchiseptica*.

VACCINE G3613

Indications: Aid in the prevention and control of Canine Infectious Tracheobronchitis (Kennel cough) in dogs 8 weeks of age or older. –Can.

5 x 10 dose vials

Dosage: 1ml sc. For 1st vacc., give 2nd dose 2-4 weeks later. Annual re-vacc.: 1ml single dose.

See also IDR page 790

NOBIVAC® LEPTO, Intervet SA (MSD Animal Health)

Inactivated cultures of *Leptospira interrogans*, serotypes *L. canicola* and *L. icterohaemorrhagiae*.

VACCINE G2200

Indications: Leptospirosis. –Can.

10 x 1 dose

Dosage: Initial: 1 dose sc at 9 weeks. 2nd dose 2-4 weeks later plus annual booster.

See also IDR page 595

★ NOBIVAC® RABIES, Intervet SA (MSD Animal Health)

Inactivated rabies virus propagated on BHK-21 clone CT cell-line.

VACCINE G2207

Indications: Rabies. –Can, B, O, Cap, E.

10 x 1 (10) dose

Dosage: 1ml sc at 3 months. Revacc. every 3 yrs. May be mixed or used as a diluent for Nobivac® DHP, DHPI, Tricat and Tricat + CHL.

See also IDR page 596

★ NOBIVAC® RL, Intervet SA (MSD Animal Health)

Inactivated Rabies virus strain, BPL-inactivated *Leptospira interrogans* serovar canicola strain Ca-12 000 and *icterohaemorrhagiae* strain 820K.

VACCINE G2199

Indications: Leptospirosis and rabies. –Can.

10 x 1 dose

Dosage: May be mixed or used as a diluent for Nobivac® -Parvo-C, -DHP, -DHPI, or -Corona. See literature.

See also IDR page 598

RABISIN, Boehringer

Inactivated adjuvanted rabies vaccine.

VACCINE G1250

Indications: Rabies. –Can, F, E, B, O, Cap, Game.

1 x 10 doses

Dosage: E: 1ml sc/im. Primary: From 4 months of age. If born to vacc. mothers, vacc. at 9 months only. Booster: 1 year later, then every 3 years.

See also IDR page 154

ZERORAB, Afrivet

Inactivated rabies virus (potency >1,0iu per dose) propagated in cell line BHK-21,

inactivated with an aziridine compound and adsorbed onto adjuvant aluminium hydroxide. **VACCINE** G3859 **Indications:** Immunisation against rabies. –B, O, Cap, Can, F 1ml, 10ml **Dosage:** 1ml for all species sc or im. Give 1st vacc. at 12 weeks of age. See literature. **W/T:** B, O, Cap: Meat 21 days. **C/I:** Do not vacc. animals younger than 3 months. **See also IDR page 56**

19.6.	Poultry
19.6.1.	Live vaccines

ADVENT, Huvepharma
E. acervulina, *E. imeria maxima*, *E. tenella*. **VACCINE** G4035 **Indications:** For use in healthy chicks one day of age or older as an aid in the prevention of disease caused by *Eimeria acervulina*, *Eimeria maxima* and *Eimeria tenella*. –Poultry. 10 000 doses **Dosage:** See package insert. **See also IDR page 373**

AE VAC, Zoetis
A lyophilised, modified live virus vacc. of avian encephalomyelitis for drinking water admin. **VACCINE** G0471 **Indications:** For the prophylactic vacc. of replacement laying and breeding fowls between 10 weeks of age and 4 weeks prior to onset of lay against avian encephalomyelitis. –Poultry. 10 x 1 000 doses **Dosage:** Admin. via drinking water only. See literature. **W/T:** Meat 21 days. **C/I:** Do not vacc. hens in egg production. **P/I:** If given to laying flocks, may cause a 10-15% drop in egg production for 10-14 days. **See also IDR page 782**

AVERT NE®, Huvepharma
Live vacc. containing recombinant *Salmonella* Typhimurium strain expressing plcC and GST-netB proteins of *Clostridium Perfringens*, 1 x 10^{7.0} CFU per dose. **VACCINE** G4533 **Indications:** Live freeze-dried vacc. for active immunisation of healthy chickens, from 1 day of age onwards up to 14 days of age, against necrotic enteritis due to *C. Perfringens*. –Poultry. 5000 and 10 000 doses **Dosage:** For admin. via coarse spray or drinking water. See literature. **W/T:** 21 days. **C/I:** Do not mix with any other vacc., immunological products, antimicrobials probiotics, organic acids, acidifiers, or other live *Salmonella* vacc. Do not use in birds in lay.

AVINEW FROZEN, Boehringer
Live Newcastle disease virus, VG/GA strain. **FROZEN VACCINE** G2765 **Indications:** Newcastle disease. –Poultry. 5 000 dose vials **Dosage:** Admin. via drinking water, eye drop or spray. See literature. **W/T:** Meat 21 days. **P/I:** Do not mix with other or admin. within 7 days after any other vacc. **See also IDR page 103**

AVINEW® NEO, Boehringer
Newcastle disease is a controlled disease in terms of the Animal Disease Act (Act 35/1984). Report immediately to the local state veterinarian. Newcastle Disease Virus VG/GA-Avinew® Strain at least 10^{5.5} EID₅₀/dose. **VACCINE** G2195 **Indications:** Active immunisation of chickens against Newcastle disease. –Poultry. 1 000, 2 000 doses **Dosage:** Primary vacc. as from 1 day of age. For oral, ocular, nasal admin. and spraying. May be admin. together with an inactivated vacc. See literature. **W/T:** Meat 21 days. **See also IDR page 104**

AVIPRO™ AE, Elanco AH
Live virus vaccine, AE-virus, strain 1143 Calnek, of chicken-embryo origin and 1mg neomycin sulphate. Min. titre 10^{3.0} EID₅₀/dose. **VACCINE** G1524 **Indications:** Vacc. for pullets against Avian Encephalomyelitis. –Poultry. 1 000, 2 500 doses **Dosage:** For use by drinking water admin. and eye drop method only. See literature. **C/I:** Do not vacc. with other vacc. 14 days before or after vacc. The eggs of vacc. birds should not be used for hatching within 4 weeks of vacc. Do not vacc. birds before the 10th week of life or later than 4 weeks before point of lay. **See also IDR page 274**

AVIPRO™ MG F, Elanco AH
Live culture *Mycoplasma gallisepticum*, F strain virus. Min. titre 7,94 x 10^{6.0}/dose. **VACCINE** G4111 **Indications:** Immunisation of breeder and layer replacement pullets as an aid in the prevention of *Mycoplasma gallisepticum* (MG) infection. –Poultry. 1 000 doses **Dosage:** Admin. vacc. via drinking water at 12 weeks or older but not later than 4 weeks prior to the onset of lay. See literature. **W/T:** Meat 21 days. **C/I:** Do not vacc. turkeys or expose turkeys to vacc. chickens. Do not use antibiotics within 3 days before or after MG vacc. Do not use Newcastle Disease or infectious bronchitis vacc. within 7 days before or after MG vacc. **See also IDR page 275**

AVIPRO™ ND LASOTA, Elanco AH
Lyophilised live virus Newcastle vaccine, LaSota strain, of chicken embryo origin. Min. titre/dose is 10^{6.0} EID₅₀. **VACCINE** G1207 **Indications:** Immunisation of primed fowls 3 weeks of age or older against Newcastle Disease. –Poultry. 1 000, 5 000 doses. **Dosage:** Drinking water method or as a spray. Do not use as a spray during 1st 3 weeks of life. Use the Hitchner B1 strain during this time. See literature. **See also IDR page 276**

AVIPRO™ ND VISOTA, Elanco AH
Lyophilised live Newcastle Disease virus, B1 type, LaSota strain of chicken embryo origin. **VACCINE** G4138 **Indications:** Immunisation as an aid in the prevention of Newcastle Disease. –Poultry. 2 500 doses **Dosage:** Use by spray or drinking water. Admin. initial vacc. to chickens at 2 weeks of age or older via drinking water and at 5 weeks of age or older by coarse spray. Use in replacement chickens before 16 weeks of age that were previously vacc. **W/T:** Meat 21 days. **See also IDR page 276**

AVIPRO™ POX CEO, Elanco AH
Lyophilised live pox virus, FPC strain of chicken-embryo origin. Min. titre/dose 10^{2.0} EID₅₀. **VACCINE** G1560 **Indications:** Immunisation against fowl pox via wing-web stab. –Poultry. 1 000 doses and 10ml diluent **Dosage:** Dissolve vacc. with diluent by continuously shaking. Vacc. 5th week of age or older. For laying replacements vacc. at 8-20 weeks. Apply vacc. to web of wing. See literature. **W/T:** Meat 21 days. **P/I:** May lead to a slight drop in egg production. **See also IDR page 277**

AVIPRO™ PRECISE, Elanco AH
Bursitis virus strain, LC75 of chicken-embryo origin. Min. titre/dose 103.0 EID50. **VACCINE** G1889 **Indications:** Immunisation against Infectious Bursal Disease (IBD) (Gumboro) via the drinking water. –Poultry. 1 000, 5 000 doses **Dosage:** For use via drinking water only. 1st vacc. on day 14 of life. Revacc. during 4th week of life. See literature. **VACCINE** G4182 **Indications:** *Salmonella* Enteritidis and *Salmonella* Typhimurium in breeders and layer replacements. –Poultry and Ducks. 1 000 (2 000) doses

Dosage: Admin. a single dose via drinking water at 1 day of age, followed by a 2nd vacc. at 6-8 weeks, and a 3rd vacc. around 16 weeks of age at least 3 weeks prior to the onset of lay. **P/I:** Avoid disinfectants in water, quinolone antibiotics and chemotherapeutics before and after vacc. **W/T:** Meat 21 days. **See also IDR page 277**

AVIPRO™ SALMONELLA DUO, Elanco AH
Lyophilised live *Salmonella* Enteritidis bacteria, strain Sm24/Rif12/Ssq & *Salmonella* Typhimurium bacteria, strain Nal2/Rif9/Rtt. **VACCINE** G4182 **Indications:** Immunisation of chickens and ducks (future breeders and layers) to reduce colonisation of internal organs and faecal excretion with *Salmonella* Enteritidis and *Salmonella* Typhimurium field strains and to reduce colonisation of eggs with *Salmonella* Enteritidis field strains. –Poultry. 2 000 doses **Dosage:** Drinking water application. Admin. a single dose at 1 day of age, followed by 2nd vacc. at 6-8 weeks, and a 3rd vacc. around 16 weeks of age at least 3 weeks prior to the onset of lay. See literature. **W/T:** Meat 21 days. **C/I:** Do not use in birds in lay or within 3 weeks prior to the onset of lay. Do not mix with other vacc. **See also IDR page 278**

AVIPRO™ SALMONELLA VAC E, Elanco AH
1 x 10⁸ CFU attenuated *Salmonella* Enteritidis bacteria, strain Sm24/Rif12/Ssq/dose. **VACCINE** G2740 **Indications:** Immunisation of breeder and layer replacement fowls during rearing as an aid to prevent *Salmonella* Enteritidis infections and to reduce persistence and excretion of *Salmonella* Enteritidis field strains. –Poultry. 2 000, 5 000 doses **Dosage:** 1 dose/fowl. Admin. to day-old chicks and at 16-20 weeks of age (not later than 3 weeks prior to onset of lay. Apply in the first water the day-old chicks drink. **W/T:** Meat 21 days. **C/I:** Do not admin. any chemotherapeutics or antibiotics 3 days before or within 3 days after vacc. **See also IDR page 279**

AVIPRO™ THYMOVAC, Elanco AH
CAV virus, Cux-1 strain. Minimal titre per dose 10^{4.5} TCID₅₀. **VACCINE** G2427 **Indications:** Immunisation of fowl breeder flocks against infectious anaemia/CAV (Chicken Anaemia Virus). –Poultry. 1 000, 2 500 doses

Dosage: Admin. via drinking water only. Reconstitute 1 000 doses in 40L of water. 1 vacc. 12th to 15th week of life, at the latest 6 weeks before the point of lay. See literature. **See also IDR page 279**

AVISHIELD IB H120, Huvepharma
Live attenuated virus of Avian Infectious Bronchitis, strain H-120, 10^{3.5} EID₅₀ per dose. **VACCINE** G4468 **Indications:** Live freeze-dried vacc. for active immunisation of healthy chickens from day-old onwards, to prevent mortality, clinical signs, and lesions of the Avian Infectious Bronchitis. –Poultry. 1000 and 5000 doses **Dosage:** For admin. via spray, drinking water or via ocularnasal admin. See literature. **W/T:** 21 days. **C/I:** None.

AVISHIELD IBD INT, Huvepharma
Live attenuated virus of Gumboro disease (Infectious Bursal Disease), IM strain VMG 91, 10^{4.0} TCID₅₀ per dose. **VACCINE** G4451 **Indications:** Live freeze-dried vacc. for active immunisation of healthy chickens with inherited maternal antibodies against Gumboro disease to prevent mortality, clinical signs and to reduce lesions associated with Gumboro disease. –Poultry. 1000 and 5000 doses **Dosage:** For admin. via drinking water or via ocularnasal admin. See literature. **W/T:** 21 days. **C/I:** Do not use in birds in lay.

AVISHIELD ND + IB H120, Huvepharma
Live lentogenic virus of Newcastle disease, strain LaSota, 10^{6.0} TCID₅₀ per dose and attenuated live virus of Avian Infectious Bronchitis, strain H-120, 10^{3.5} EID₅₀ per dose. **VACCINE** G4450 **Indications:** Live freeze-dried vacc. for active immunisation of healthy chickens to prevent mortality, clinical signs and lesions of the Avian Infectious Bronchitis and the Newcastle disease. –Poultry. 1000 and 2500 doses **Dosage:** For admin. via spray, drinking water or via ocularnasal admin. See literature. **W/T:** 21 days. **C/I:** Do not use in birds in lay, except in an emergency.

AVISHIELD ND, Huvepharma
Live lentogenic virus of Newcastle disease, strain LaSota, 10^{6.0} TCID₅₀ per dose. **VACCINE** G4459 **Indications:** Live freeze-dried vacc. for active immunisation of healthy chickens and turkeys to prevent mortality, clinical signs and lesions of the Newcastle disease. Newcastle disease is a controlled disease. –Poultry. 1000 and 5000 doses

Dosage: For admin. via spray, drinking water or via ocularnasal admin. See literature. **W/T:** 21 days. **C/I:** None.

AVIVAC® ND-HS, Deltamune
Each 0,025ml dose contains at least 10^{6.0} egg infective dose of live, attenuated Newcastle disease virus. **VACCINE** G4414 **Indications:** Prevention against Newcastle disease. –Poultry. Protective immunity: 7-14 days after vacc. 1 000 doses **Dosage:** 0,025ml as an eye drop from 1 day of age. Booster at 18 days of age. Layers: Admin. booster with an inactivated oil-emulsion vacc. at least 4 weeks before the onset of lay. **W/T:** Meat 21 days. **P/I:** Do not mix with other vacc. **See also IDR page 250**

BIORAL H120, Boehringer
A live attenuated freeze-dried vaccine for the immunisation of fowls against Infectious Bronchitis. Contains live Massachussets. H120 strain virus of chicken embryo origin. **VACCINE** G1669 **Indications:** Infectious Bronchitis vaccine Massachussets H120 strain. Mainly intended for the primary vacc. of young broiler chicks and pullets. –Poultry. 10 x 1 000; 10 x 5 000; 50 x 5 000 dose vials **Dosage:** Admin. in the drinking water, or by nasal drop or by spray method. See literature. **W/T:** Meat 7 days. **See also IDR page 105**

BIORAL H120 NEO, Boehringer
Contains at least 3,7 log¹⁰ EID₅₀ live Massachusetts H120 strain virus of chicken embryo origin/dose. **VACCINE** G1669 **Indications:** Induces an active immunisation against Avian Infectious Bronchitis Massachusetts serotype. –Poultry. 1 000, 2 000 doses **Dosage:** Primary vacc. as from 1 day of age. For oral and ocular route and spraying. May be admin. together with an inactivated vacc. See literature. **W/T:** Meat 21 days. **C/I:** Do not vacc. during laying period. **P/I:** For a protection during the laying season a booster with an inactivated vacc. must be carried out at least 4 weeks after vacc. with the live vacc. **See also IDR page 106**

BUR 706, Boehringer
Attenuated live virus of Infectious Bursal disease S706 strain. **FREEZE-DRIED VACCINE** G1909 **Indications:** Infectious Bursal disease. –Poultry. 10 x 1 000, 5 000 doses

Dosage: Admin. via eye drop, beak dipping, drinking water or spray.
P/I: Use immediately after reconstitution.
See also IDR page 110

BURSINE 2, Zoetis
Intermed. modified live IBD.
VACCINE G963
Indications: Broilers, breeding fowls: Infectious Bursal Disease. –Poultry.
10 x 5 000 doses
Dosage: Admin. via drinking water.
See literature.
W/T: Meat 21 days.
See also IDR page 791

CEVAC® BRON 120 L, Ceva AH
Live freeze-dried vacc. containing live IB virus (H-120) Massachusetts strain.
VACCINE G2834
Indications: For the immunisation of healthy future layer or breeder fowls against Infectious Bronchitis (IB). –Poultry.
1 x 1 000 (2 500; 5 000)
Dosage: Eye drop method: from first day of age: 1 000 doses per 30ml. Drinking water method: volume of water calculated according to number and age of fowls.
Warnings: Infectious Bronchitis is highly contagious. Separate non-vacc. flocks.
W/T: Meat 21 days.
See also IDR page 188

CEVAC® IBD L, Ceva AH
Live freeze-dried vaccine.
VACCINE G2830
Indications: For the immunisation of healthy fowls against Infectious Bursal Disease (Gumboro) (IBD). –Poultry.
1 x 1 000 (2 500; 5 000) doses
Dosage: Mix only the amount of vacc. to be used and admin. immediately. Admin. in drinking water which does not contain disinfectants or chlorine. See literature.
Warnings: Do not slaughter fowls within 21 days after vacc.
See also IDR page 191

CEVAC® IBIRD, Ceva AH
IB virus, strain 1/96.
VACCINE G4033
Indications: Active immunisation against Avian Infectious Bronchitis. –Poultry.
500, 1 000, 2 500, 5 000, 8 000 doses
Dosage: See literature.
W/T: 28 days.
C/I: Do not use in birds in lay and within 4 weeks before the onset of the laying period.
See also IDR page 192

CEVAC® MD HVT & RISPENS, Ceva AH
Per dose: Marek's disease virus HVT strain FC-126 32 164. Marek's disease virus Rispens strain CV1988 31 322 PFU.
VACCINE G4180
Indications: An aid in the prevention of virulent Marek's disease. –Poultry.
1 000, 2 000, 4 000 doses
Dosage: Day-old chicks: Inject 0,2ml diluted

vacc. sc in the back of the neck. In ovo to 18- to 19-day-old chicken embryos: 0,05 ml/embryo or 0,1ml/embryo. See literature.
W/T: Meat 21 days.
P/I: Be familiar with all safety and precautionary measures for handling liquid nitrogen to prevent personal injury. See literature for details of precautions and vacc. preparation.
See also IDR page 193

CEVAC® MD RISPENS, Ceva AH
Per dose: Marek's Rispens serotype 1 live attenuated Virus 32 412PFU.
VACCINE G4144
Indications: An aid in the prevention of virulent Marek's disease. –Poultry.
1 000, 2 000, 4 000 doses
Dosage: Day-old chicks: Inject 0,2ml diluted vacc. sc in the back of the neck. In ovo to 18- to 19-day-old chicken embryos: 0,05 ml/embryo or 0,1ml/embryo. See literature.
W/T: Meat 21 days.
P/I: Be familiar with all safety and precautionary measures for handling liquid nitrogen to prevent personal injury. See literature for details of precautions and vacc. preparation.
See also IDR page 193

CEVAC® META L, Ceva AH
CRR126 strain (8 subtype) of Avian metapneumovirus.
VACCINE G4281
Indications: Active immunisation of healthy chickens to reduce clinical respiratory signs associated with Avian metapneumovirus infection (swollen head syndrome) and to reduce shedding of the infectious virus to the environment. –Poultry.
500, 1 000, 2 000, 2 500, 3 000, 4 000 and 5 000 doses
Dosage: Vacc. all the birds at the same time. Admin. during the coolest time of the day. Do not use in birds in lay and within 4 weeks before the onset of laying period. One dose can be admin. to day-old chicks and older chickens. Primary vacc. should be carried out by eye-drop method from one day of age, or by coarse spray from 5 weeks of age. See literature.
W/T: Meat 21 days.
P/I: Do not mix this vacc. with any other vacc. or medication.
See also IDR page 195

CEVAC® S. GALLINARUM, Ceva AH
2,0 x 10¹⁰ Colony Forming Units (CFU) of live, freeze-dried *Salmonella* Gallinarum antigens (strain 9R).
VACCINE G3869
Indications: Immunisation of healthy layer and breeder fowls, as an aid in the prevention of *Salmonella* Gallinarum (fowl typhoid) and *Salmonella* Enteritidis (SE) infections. –Poultry.
500, 1 000, 2 000 and 2 500 doses

Dosage: 0,2ml/fowl sc.
W/T: Meat 21 days.
P/I: Do not use antibiotics or any antibacterial agent from 7 days before vacc. until 14 days after vacc.
See also IDR page 196

CEVAC® SALMOVAC, Ceva AH
Any occurrence or suspected occurrence of *Salmonella* Enteritidis must immediately be reported to the local state veterinarian. Double-attenuated (adenine-histidine auxotrophic) *Salmonella* Enteritidis mutant, strain 441/014 1 x 10⁶ CFU/dose.
VACCINE G4504
Indications: Active immunisation of chickens from 1 day of age to reduce colonisation, persistence and invasion of the intestinal tract and internal organs by *Salmonella* Enteritidis and *Salmonella* Typhimurium. –Poultry.
1 000, 2 500, 5 000 doses
Dosage: Admin. 1 dose/bird via drinking water. Onset of immunity within 6 days of 1st vacc. See literature.
W/T: Meat 42 days. Eggs 42 days after the 1st two vaccs.; 21 days after the 3rd vacc.
C/I: Do not use antimicrobial therapy for 2 weeks prior or within 2 weeks of vacc. with this vacc. Do not mix with any other vacc. or any other veterinary medicine or vacc. in the drinking water.
See also IDR page 197

CEVAC® TRANSMUNE, Ceva AH
Live freeze-dried IBD virus (Winterfield 2512g. –61 strain and IBD antibodies) of fowl embryo origin.
VACCINE G3457
Indications: Immunisation of 18-day-old fowl embryos and healthy day-old chicks against Infectious Bursal disease (IBD, Gumboro). –Poultry.
1 000 (2 000;2 500;5 000) doses + sterile diluent
Dosage: In-ovo: 0,05ml/chick. –18-day-old fowl embryos only. Subcutaneous: 0,1ml/chick sc in neck region. –day-old chicks only.
W/T: Meat 21 days.
See also IDR page 198

CEVAC® VITABRON L, Ceva AH
Live freeze-dried ND virus (strain PHY.LMV.42) and IB virus (Massachusetts type strain H120).
VACCINE G3458
Indications: Newcastle disease and Infectious Bronchitis. –Poultry.
1 000 (2 000;2 500) doses + sterile diluent
Dosage: Eye drop: 1 000 doses per 30ml diluent. Spray: Day-old chicks in boxes: Dissolve 1 000 doses in 0,2-0,3L diluent. Chicks on litter: Dissolve 1 000 doses in 0,5-1L diluent.
W/T: Meat 21 days.
See also IDR page 199

CIRCOMUNE®, Ceva AH
Live infectious chicken anaemia virus (Del-Ros strain), presented in a liquid form. Minimum titre per dose: 10^{4.8} TCID₅₀.

VACCINE G4198
Indications: To provide maternal antibodies to progeny to aid in the prevention of chicken infectious anaemia due to infectious chicken anaemia virus. –Poultry.
1 000 doses
Dosage: For wing web vacc. of breeder chickens at 9-12 weeks of age: 0,01ml/chicken. See literature.
W/T: Meat 21 days.
C/I: Do not vacc. chickens in lay or chickens under 3 weeks of age. Do not vacc. breeder chickens older than 12 weeks of age.
See also IDR page 204

DIFTOSEC, Boehringer
Poxvirus strain DCEP 25 of titre of at least 10^{5.5} CCID 50 per bird dose.
FREEZE-DRIED VACCINE G1664
Indications: Fowl pox. –Poultry.
1 000 dose vial
Dosage: Dissolve contents of vial in 1 flask of diluent (1 000 doses). Mix thoroughly. Use the wing web needle supplied to transfer 1 dose vacc. by transfixing the wing web.
W/T: Meat 7 days.
See also IDR page 112

EIMERIAVAX® 4M, Huvepharma
E. acervilina, *E. maxima*, *E. necatrix*, *E. tenella*.
VACCINE G4090
Indications: Aids in the control of coccidiosis in breeders, broilers, and layer chickens. –Poultry.
1 000 doses
Dosage: Vacc. fowls from day-old. Eye drop admin. See literature.
W/T: 0 days.

ENTEROVAX, Intervet SA (MSD Animal Health)
Modified live avian reovirus 1133 TC/C6 strain.
VACCINE G3615
Indications: Reovirus induced tenosynovitis (viral arthritis). –Poultry.
10 x 5 000 dose vials
Dosage: Spray method: 7ml/100 chicks. Spray at 1 day of age. Water method: Admin. at 1 week or older. See literature.
W/T: Meat 21 days.
See also IDR page 516

EVALON, Hipra SA
Per dose (0,007ml): *Eimeria acervulina*, strain 003: 332-450; *Eimeria brunetti*, strain 034:213-288; *Eimeria maxima*, strain 013:196-265; *Eimeria necatrix*, strain 033:340-460; *Eimeria tenella*, strain 004:276-374.
VACCINE G4286
Indications: To reduce clinical signs, intestinal lesions and oocysts output of coccidiosis caused by *Eimeria acervulina*, *Eimeria brunetti*, *Eimeria maxima*, *Eimeria necatrix* and *Eimeria tenella*. –Poultry. Immunity: Onset: 3 weeks post-vacc. Duration: 60 weeks post-vacc.

1 000, 5 000, 10 000 doses
Dosage: One dose of vacc. from 1 day of age by coarse spray. See literature.
W/T: Meat 21 days.
C/I: Do not vacc. birds in lay or within 2 weeks before onset of lay. Do not use anticoccidial drugs or other agents having anticoccidial activity via feed or water for at least 3 weeks following vacc. of the chickens.
P/I: Chickens must be strictly floor-reared in the 3 first weeks after vacc. Remove litter and clean material between production cycles to reduce field infections. The vacc. will not protect species other than chickens against coccidiosis and is only effective against the *Eimeria* species indicated.
See also IDR page 356

EVANT, Hipra SA
Eimeria acervulina, strain 003, *Eimeria maxima*, strain 013, *Eimeria mitis*, strain 006, *Eimeria praecox*, strain 007, *Eimeria tenella*, strain 004
VACCINE G4481
Indications: For active immunisation of chicks from 1 day of age against coccidiosis caused by *E. acervulina*, *E. maxima*, *E. mitis*, *E. praecox* and *E. tenella* to reduce typical signs of disease, intestinal lesions and oocysts output. –Poultry.
1000, 5000,10000 doses.
Dosage: One dose of vacc. (0,007ml) from 1 day of age. This vacc. is for oral use only. The method of admin. is by coarse spray. See literature.
C/I: Chickens must be strictly fl–oor-reared in the first 3 weeks after vacc. No anticoccidial substances or other agents having anticoccidial activity via feed or water should be used for at least 3 weeks before or following vacc. of the chickens.
W/T: 21 days.
See also IDR page 356

FORTEGRA®, Intervet SA (MSD Animal Health)
Contains live oocysts of coccidia: *E. acervulina*, *E. maxima*, *E. maxima* MFP, *E. mivati* and *E. tenella*. Preservative: gentamycin.
VACCINE G4208
Indications: For the vacc. of healthy broilers at 1 day of age via spray-cabinet admin. as an aid in the prevention of coccidiosis due to *E. mivati* and *E. tenella* and as an aid in the reduction of lesions related to *E. acervulina* and *E. maxima* in chickens. –Poultry.
1 000, 10 000 doses
Dosage: Spray-cabinet admin.: Mix at the rate of 210ml of distilled water/1 000 doses of vacc. See literature.
W/T: Meat 21 days.
C/I: Do not use with pre-starter or starter feeds containing coccidiostats.

P/I: Birds must have access to their droppings as reinforcement is required to induce immunity.
See also IDR page 530

FOWL TYPHOID, OBP
Live attenuated strain of *Salmonella* Gallinarum.
VACCINE G107
Indications: Fowl typhoid. –Poultry.
100 doses
Dosage: Fowls, turkeys: 1ml sc at 2 months+.
S/E: Transient drop in egg production.
C/I: Do not repeat within 6 months.
W/T: Meat 7 days.
P/I: Do not admin. antibacterials 8 days before or 3 weeks after inoculation. Vacc. after BWD typhoid test.

FVAX-MG®, Intervet SA (MSD Animal Health)
F-strain of *Mycoplasma gallisepticum* ≥10^{6.0} CCU₅₀/dose.
VACCINE G4295
Indications: Prevention of clinical signs associated with *Mycoplasma gallisepticum* infection. –Poultry.
5 000, 10 000 doses
Dosage: Use in chickens 9 weeks or older by spray admin. only. 100ml water/1 000 doses. See literature.
W/T: Meat 21 days.
C/I: Do not give chickens to be vacc. any antibiotic and/or sulphonamide for 3 days before and 7 days after vacc. Do not admin. within 1 week before or after vacc. with live Newcastle disease, bronchitis or laryngotracheitis vacc. Do not allow turkeys to come in contact with vacc. or vacc. chickens.
P/I: Vacc. chickens before the onset of egg production.
See also IDR page 531

GALLIVAC® AE, Boehringer
Avian encephalomyelitis virus, at least 10^{2.8} EID₅₀/0,01ml dose.
VACCINE G4388
Indications: For vacc. of healthy chickens between 10 weeks of age and 4 weeks before production as an aid in the prevention of avian encephalomyelitis. –Poultry.
1 000 doses
Dosage: Admin. by wing web stab or drinking water. Admin. 1 dose/chicken. See literature.
W/T: Meat 21 days.
C/I: Do not mix the vacc. with any other vacc. or medication. Do not use within 2 weeks of antimicrobial treatment. Do not inject intravenously. Do not allow layers and breeders in production. Vacc. replacement hens 4 weeks before onset of lay.
P/I: Vacc. of chickens in production may lead to a drop in production.
See also IDR page 120

GALLIVAC® BDA, Boehringer
Infectious Bursal disease virus, 2512 strain; 100 EID₅₀. Bursal disease viral antiserum 24 units/dose.

VACCINE G4366
Indications: Acts as an aid in the prevention of Bursal disease via sc injection of chicks at 1 day of age or in ovo vacc. of 18-19 days old embryonated chicken eggs. –Poultry.
1 000, 2 000, 8 000 doses
Dosage: Admin. a full dose to each embryonated egg or to each chick. Use the entire contents of the vacc. container within 1 hour after mixing the vacc. with the diluent. In ovo admin.: Reconstitute vacc. with 200ml sterile diluent for each 4 000 doses to be injected. Inject 0,05ml dose into each embryonated egg. sc injection: Reconstitute vacc. with 200ml sterile diluent for each 1 000 doses to be injected. Inject at the back of the neck (sc) 0,2ml per chicken.
W/T: Meat 21 days.
C/I: Do not mix with other vaccs. or medication. Do not vacc. diseased embryonated eggs or diseased chickens.
See also IDR page 122

GALLIVAC® IB88 NEO, Boehringer
Attenuated Infectious Bronchitis coronavirus, strain CR88121, at least 4,0 log¹⁰ EID₅₀/dose.
VACCINE EFFERVESCENT TABLET G4452
Indications: For suspension for nebulisation or via the ocular route for the active immunisation of day-old broilers or pullets from 2 weeks old against Infectious Bronchitis caused by the coronavirus variant of group CR88. –Poultry.
1 000 doses, 2 000 doses
Dosage: One dose of vacc., by nebulization or ocular route. After reconstitution use within 2 hours. See literature.
W/T: Meat 21 days.
C/I: Do not vacc. during laying period. No other vacc. should be admin. within 14 days before or after vacc. with the product.
P/I: The vacc. does not replace the vacc. schedule against classical Infectious Bronchitis Massachusetts H120.
See also IDR page 122

GALLIVAC® IBD S706 NEO, Boehringer
Live, attenuated virus of Infectious Bursal disease, (S706 strain): 4,0-5,3 log¹⁰ CCID₅₀.
VACCINE G4527
Indications: Live attenuated virus of Gumboro disease, S706 strain, intended to stimulate an active immunity against Gumboro disease. –Poultry.
Dosage: Use only as directed: In areas of high epidemiological pressure: To be admin. at 11 and at 21 days of age. In areas of low epidemiological pressure: To be admin. at 14 days of age. By drinking water (oral route), by individual admin. via the ocular route or spraying (respiratory route). See literature.
W/T: 21 days.
C/I: Vacc. healthy animals only. Do not vacc. during the laying period or within 3 weeks before the onset of lay. Do NOT mix with any other vacc. or medication.

GUMBOHATCH®, Hipra SA
Each 0,05ml dose for an in ovo dose or 0,2ml dose for a sc dose) contains: Live attenuated infectious bursal disease virus (IBDV), strain 10⁵² 10^{1,48}·10^{2,63} PU.
VACCINE G4449
Indications: For active immunisation of 1-day-old broiler chicks and embryonated broiler chicken eggs to reduce clinical signs and lesions of bursa of Fabricius caused by very virulent Avian Infectious Bursal Disease virus infection. –Poultry.
Immunity: Onset: Between 24-28 days of age. Duration: Up to 43 days.
1 000, 2 000, 2 500, 4 000, 5 000 doses
Dosage: In ovo: Admin. 0,05ml of reconstituted vacc. into each chicken egg at 18 days of embryonation. Sc: Admin. 0,2ml of the reconstituted vacc. to each chick at 1 day of age. See literature.
C/I: Do not use in flocks without MDAs against IBDV. Do not use in birds in lay or breeding birds, or within 4 weeks before onset of lay.
P/I: Use this product only after it has been demonstrated that very virulent IBDV strains are epidemiologically relevant in the area of vacc.
See also IDR page 357

GYROVAC®, Huvepharma
Live attenuated Chicken Infectious Anemia Virus (CAV), OA-1 strain, 10^{4,5} TCID₅₀ per dose.
VACCINE G4529
Indications: Live freeze-dried vacc. for active immunization of breeders from 12 weeks of age, to reduce vertical transmission and to induce passive immunity against infection with CAV in the progeny in the first weeks of life. –Poultry.
2500 and 5000 doses
Dosage: For admin. via drinking water. See literature.
W/T: 21 days.
C/I: Do not mix with any other vacc. or immunological product. Do not use in lay or within 6 weeks before the onset of lay. Do not vacc. future breeders before 8 weeks of age.

HATCHPAK AVINew, Boehringer
Live Newcastle Disease virus, VG/GA strain.
VACCINE G3942
Indications: Immunisation against Newcastle Disease. –Poultry.
10 000, 15 000 doses
Dosage: Admin. via drinking water, eye drop or spray.
W/T: Meat 21 days.
P/I: Do not mix with or admin. within 7 days after any other vacc.
See also IDR page 123

HATCHPAK IB H120, Boehringer
3,7 log¹⁰ EID₅₀ live Infectious Bronchitis virus, H120 strain/reconstituted dose.
VACCINE G4133
Indications: Active immunisation of 1-day old chicks against Infectious Bronchitis in

order to reduce infection with Massachusetts serotype of Infectious Bronchitis virus. Onset of immunity: 21 days. Duration of immunity: 6 weeks after a single admin. –Poultry.
10 000 doses, 15 000 doses
Dosage: The vacc. is intended for mass vacc. of chicks in the hatchery. Apply the vacc. solution as a coarse spray whilst the chicks are in their chick-boxes. See literature.
W/T: Meat 21 days.
C/I: Not appropriate after the age of 1 day.
P/I: Do not mix with any other medicinal product except a live frozen vacc. against Newcastle disease containing VG/GA strain. Do not thaw frozen ampoules in hot or cold water.
See also IDR page 122

HIPRAGUMBORO-CH/80, Hipra SA
Live IBD virus (Gumboro), clone Ch80 >10^{3,5} TCID₅₀.
VACCINE G2907
Indications: Infectious Bursal Disease (Gumboro). –Poultry.
1 000, 2 500, 5 000 doses
Dosage: 1 dose/fowl. Admin. by drinking water or eye drop method. See literature.
W/T: Meat 21 days.
P/I: Allow a period of 7 days before any other vacc. is admin.
See also IDR page 361

HIPRAGUMBORO-GM97, Hipra SA
Live infectious bursal disease virus, strain GM97. >10² EID₅₀.
VACCINE G3564
Indications: Prevention of infectious bursal disease (Gumboro) For active immunization of broilers with inadequate levels of maternally derived antibodies to reduce mortality, clinical signs and lesions of Gumboro disease. –Poultry.
1 000 (2 500, 5 000, 10 000) doses
Dosage: Single vacc. only. 1 dose/fowl via drinking water. See literature.
W/T: Meat 21 days.
See also IDR page 362

HIPRAVIAR-CLON, Hipra SA
Live NDV, strain Cl/79 clone >10^{6,5} EID₅₀.
VACCINE G3742
Indications: Prevention of Newcastle Disease. –Poultry.
10 vials x 1 000 (2 500, 5 000) doses
Dosage: Admin. via eye drop or drinking water method.
W/T: Meat 21 days.
See also IDR page 363

HIPRAVIAR-CLON/H120, Hipra SA
Contains a live Newcastle virus CL/79 clone >10^{6,5} EID₅₀ and an attenuated H120 type Massachusetts strain of infectious bronchitis >10³ EID₅₀.
VACCINE G3806

Indications: Prevention of Newcastle disease and infectious bronchitis. –Poultry.
1 000 doses
Dosage: 1 dose/fowl via eye drop or drinking water method. Do not underdose. See literature.
W/T: Meat 21 days.
P/I: Mild respiratory symptoms may be observed for 5-7 days after admin.
See also IDR page 364

HIPRAVIAR-S, Hipra SA
Live NDV, La Sota strain >10^{6,5} EID₅₀.
VACCINE G2908
Indications: Newcastle disease. –Poultry.
1 000, 2 500, 5 000 doses
Dosage: 1 dose/fowl. Admin. by drinking water, spray or eye drop method. See literature.
W/T: Meat 21 days.
P/I: Mild respiratory signs may be observed 5-7 days after vacc.
See also IDR page 365

HIPRAVIAR SHS, Hipra SA
Live turkey Rhinotracheitis (TRT) virus >10^{2,4} TCID₅₀.
VACCINE G3627
Indications: Prevention of swollen head syndrome in fowls and rhinotracheitis in turkeys. –Poultry.
Dosage: Eye- or nose drop route. 1 dose per fowl/turkey. Fowls: Vacc. between 14-20 days of age. In endemic areas, vacc. during first week of life and revacc. at 3 weeks of age. Layers and breeders: Vacc. at 10 weeks of age. Revacc. with inactivated and/or live vaccine before laying period, i.e. at 18-22 weeks of age. Turkeys: Vacc. during first week of life and revacc. 4-5 weeks later.
W/T: Meat 21 days.
See also IDR page 365

IMMUCOX® 5, Ceva AH
Eimeria acervulina, *E. brunetti*, *E. maxima*, *E. necatrix*, *E. tenella* at min 317 oocysts/dose.
VACCINE G4404
Indications: Aids in the development of immunity in chickens against clinical signs of coccidiosis. –Poultry.
1 000, 2 000 5 000 doses
Dosage: Admin. orally after reconstitution in a gel droplet diluent. Vacc. at hatch day to 3 days old at 25ml/100 birds. See literature.
W/T: Meat 21 days.
P/I: Ensure that no anticoccidial is used in the feed. Even a low level of coccidiostat can reduce or negate the effectiveness of the vacc. Release fowls housed in a confined space from confinement by the 6th day post vacc. or double the area.
See also IDR page 225

INNOVAX® ILT, Intervet SA (MSD Animal Health)
Min 2248 PFU of live Herpes virus of turkey strain HVT/ILT-138 in the cell-associated form.

VACCINE G4093
Indications: Prevention of Marek's Disease (MDV) and Infectious Laryngotracheitis (ILT). Onset of immunity: ILTV: 2 weeks. MD: 5 days. Full immunity ILTV: 4 weeks. Duration of immunity ILTV: Min 60 weeks; MD: Until culling. –Poultry.
1 000, 2 000, 3 000, 4 000, 5 000 doses
Dosage: Vacc. 18-day old chicken embryos in ovo at 0,05 ml/egg or 1-day old chickens 0,2ml sc in the neck. Single vacc. with 1 dose per animal/egg. See literature.
W/T: Meat 21 days.
C/I: Not indicated for use during lay. Do not mix with any other substance.
P/I: Keep frozen in liquid nitrogen until ready to vacc. Avoid contact between vacc. chickens and turkeys.
See also IDR page 534

INNOVAX®-ND, Intervet SA (MSD Animal Health)
Min 1 810 PFU of live turkey herpes virus strain HVT/NDV-F/dose.
VACCINE G4289
Indications: Prevention of Marek's disease and Newcastle disease. Onset of immunity: MD: 5 days; ND: 2 days. Full immunity: ND: 4 weeks. Duration of immunity: MD: entire risk period. ND: 60 weeks. –Poultry.
2 000, 4 000 doses
Dosage: 1 dose/chicken. Vacc. 18-day old chicken embryos in ovo at 0,05 ml/egg or 1-day old chickens 0,2ml sc in the neck. Single vacc. with 1 dose per animal/egg. See literature.
W/T: Meat 21 days.
C/I: Do not use in layer hens. Do not use with another vacc. containing a classical HVT strain or any other HVT recombinant vacc.
P/I: Keep frozen in liquid nitrogen until ready to vacc. Avoid contact between vacc. chickens and turkeys.
See also IDR page 536

INNOVAX® ND-IBD, Intervet SA (MSD Animal Health)
Live recombinant turkey herpes virus (strain HVP360), expressing the fusion protein of NDV and the VP2 protein of IBD virus: 10^{3,3} - 10^{4,6} PFU.
VACCINE G4375
Indications: Immunisation against Newcastle disease, Infectious Bursal disease and Marek's disease. Onset of immunity: ND: 4 weeks; IBD: 2 weeks; MD: 9 days. Duration of immunity: ND: 8 weeks; IBD: 8 weeks; MD: entire risk period. –Poultry.
2 000, 4 000 doses
Dosage: After dilution, admin. 0,2 ml/1-day-old chicken sc in the neck. See literature.
W/T: Meat 21 days.
P/I: Keep frozen in liquid nitrogen until ready to vacc. Avoid contact between vacc. chickens and turkeys.
See also IDR page 537

LT-IVAX, Intervet SA (MSD Animal Health)
Modified live virus vacc. Each dose contains 10^{2,9} TCID₅₀ fowl laryngotracheitis virus.
VACCINE G3603
Indications: Fowl laryngotracheitis in fowls 4 weeks or older. –Poultry.
10 x 1 000 dose vials
Dosage: Vacc. by eye drop method (1 drop) at 4 weeks of age and at 10 weeks of age or older.
W/T: Meat 21 days.
See also IDR page 546

MAREK'S DISEASE VACCINE, Boehringer
Rispens CVI 988 strain of fowl herpes virus.
VACCINE G3891
Indications: Prevention of very virulent Marek's Disease in day-old chicks. –Poultry.
1 000, 2 000 doses
Dosage: Inject 0,2ml sc per one-day-old chick. See literature for preparation of vacc.
W/T: Meat 21 days.
See also IDR page 133

MB-1, Phibro
Live attenuated intermediate Infectious Bursal Disease virus, M.B. strain 10^{1,5}-10^{2,5} EID₅₀ per dose.
VACCINE G4209
Indications: A live, attenuated vacc. for the immunisation of day-old-broiler and breeder chicks with a flock average maternal antibodies titre of between 2 500 and 10 000 (as measured by IDEXX-ELISA) against Infectious Bursal Disease (Gumboro disease) either by in ovo injection at 18,5 days of incubation or by sc injection of the day-old chick. –Poultry.
4 000 doses per vial
Dosage: Day old injection: Inject 0,1-0,2ml/chick in the back of the neck by sc injection. In-ovo injection at 18,5 days of incubation: Inject 0,05-0,1ml/dose by in-ovo injection.
W/T: Meat 21 days.
C/I: Do not use in chickens in lay or within 4 weeks before the onset of the laying period.
See also IDR page 672

NEMOVAC, Boehringer
Live swollen head syndrome virus, strain PL21.
FREEZE-DRIED VACCINE G2442
Indications: Live swollen head syndrome. –Poultry.
10 x 1 000(2 000, 5 000) dose vials
Dosage: Admin. via drinking water. Broilers: 1 x dose 7-14 days of age. Breeders and layers: 1st vacc. at 10 weeks of age, followed by booster with inactivated vacc. prior to laying season.
See also IDR page 142

NEWXXITEK HVT + ND, Boehringer
Marek's Disease vectored Newcastle recombinant virus, at least 5,786 PFU. E/dose.
VACCINE G4259

Indications: For use in healthy one-day old chicks admin. sc, and healthy 18 to 19-day-old chicken embryos via the *in-ovo* route, as an aid in the prevention of Marek's disease and Newcastle disease. –Poultry. 1 000, 2 000, 4 000 doses

Dosage: *In ovo*: Day 18-19 of incubation. Reconstitute with 200ml sterile diluent for each 4 000 doses to be injected. Inject 0,05ml dose into each embryonated egg. Use the entire contents of the vacc. container within 1 hour after mixing the vacc. with the diluent. Sc: Day-old. Reconstitute the vacc. with 200ml sterile diluent for each 1 000 doses to be injected. Inject at the back of the neck (sc) 0,2ml per chick. Use the entire contents of the vacc. container within 1 hour after mixing the vacc. with the diluent.

W/T: Meat 21 days.

P/I: Thaw ampoules in tepid water not hot or cold water.

See also IDR page 143

NEXTMUNE, Ceva AH

G-61 (Winterfield 2512) strain of Infectious Bursal Disease (IBD) virus in complex with IBD antibodies. Min. 0,7 log¹⁰ CID₅₀.

VACCINE G4503

Indications: For the active immunisation of broiler chickens to reduce mortality, clinical signs, weight loss, acute lesions of the bursa of Fabricius and to prevent virus shedding caused by classical and very virulent strains of IBD virus. –Poultry 2 000, 4 000, 8 000 doses

Dosage: *In ovo* admin: Inject 1 x 0,05ml into each 18-day-old embryonated broiler chicken egg using in ovo equipment. The vacc. is delivered to the amnion sac. Sc admin: 0,2ml/ chick at 1 day of age. Inject under the skin of the neck. See literature.

W/T: Meat 21 days.

C/I: Do not mix with any other vacc. or medication. Do not vacc. chickens from non-vacc. parent flocks or flocks with no maternally derived antibodies (MDA) against IBD virus.

P/I: Protect vacc. solution from direct sunlight. Do not store unused contents for future use.

See also IDR page 227

NOBILIS® CAV P4, Intervet SA (MSD Animal Health)

A live, attenuated, freeze-dried vacc. containing chicken anaemia vacc. virus. Contains at least 2,3 log TCID₅₀ of chicken anaemia vacc. virus propagated on embryonated eggs/ml.

VACCINE G2467

Indications: Intended for the immunisation of healthy future breeding chickens against chicken anaemia. –Poultry. 1 000 doses

Dosage: Admin. 0,2ml/chicken im or sc. or by wing web method. See literature.

C/I: Do not admin. to chickens <6 weeks of age.

P/I: Vacc. breeding chickens at least 6 weeks before the onset of lay. Use the vacc. immediately after reconstitution.

See also IDR page 558

NOBILIS® GUMBORO 228E, Intervet SA (MSD Animal Health)

Live intermediate plus Gumboro Disease virus strain 228E.

VACCINE G2423

Indications: Infectious Bursal disease. –Poultry. 10 x 1 000 (2 500,5 000) dose vials

Dosage: Via drinking water. See literature for vacc. age guidelines.

W/T: Meat 21 days.

C/I: Do not admin. simultaneously with or within 7 days after the vacc. with any other live vacc.

See also IDR page 562

NOBILIS® GUMBORO D78, Intervet SA (MSD Animal Health)

Live intermediate IBD virus strain D78 with stabilisers.

VACCINE G2483

Indications: Infectious Bursal disease. –Poultry. 2 500, 5 000 doses

Dosage: Admin. via drinking water. Vacc. at 7-28 days of age. Spray/intranasal/eye drop method.

See also IDR page 563

★ **NOBILIS® IB 4-91, Intervet SA (MSD Animal Health)**

A live attenuated, freeze-dried vacc. Each container contains at least log₁₀ 3,6 EID₅₀ per dose of live attenuated avian Infectious Bronchitis virus strain 4-91 in stabiliser.

VACCINE G4031

Indications: Vacc. against Infectious Bronchitis virus serotype 4-91 or serologically related types for admin. to day-old chicks and older chickens (broilers, breeders, layers). –Poultry. 500, 1 000, 2 500, 5 000 or 10 000 doses

Dosage: May be admin. by coarse spray, drinking water or by the intranasal/ocular route. See literature.

W/T: Meat 21 days.

P/I: Vacc. with Nobilis® IB 4-91 may induce a mild respiratory reaction for a few days.

See also IDR page 565

NOBILIS® IB MA5, Intervet SA (MSD Animal Health)

Live Infectious Bronchitis virus strain Ma5 (serotype Massachusetts).

VACCINE G2300

Indications: Intended for the immunisation of healthy future breeding chickens against chicken anaemia. –Poultry. 10 x 1 000 (2 500) doses

Dosage: Admin. via spray or eye drop method. Safe from day-old.

W/T: Meat 21 days.

See also IDR page 568

★ **NOBILIS® IB PRIMO QX, Intervet SA (MSD Animal Health)**

Each dose of reconstituted vacc. contains live avian infectious bronchitis virus strain D388: >10^{4,0} EID₅₀¹

VACCINE G4211

Indications: For the active immunisation of chickens from 1 day of age or older to reduce clinical signs of disease caused by infection with Infectious Bronchitis virus serotype D388/QX. Onset of immunity: 3 weeks. Duration of immunity: 8 weeks. –Poultry. 1 000, 5 000, 10 000 doses.

Dosage: After reconstitution, admin. 1 dose of the vacc./chicken by coarse spray or intranasal or eye-drop method to chickens from 1 day of age or older. See literature.

W/T: Meat 21 days. Eggs – not to be used in chickens that lay eggs for human consumption.

See also IDR page 572

NOBILIS® ILT, Intervet SA (MSD Animal Health)

A fowl-embryo propagated culture of a modified strain of Infectious Laryngotracheitis virus (ILT).

VACCINE G2450

Indications: Normal and emergency vacc. against infectious laryngotracheitis. –Poultry. 10 x 1 000 (2 500) doses

Dosage: 1 drop into eye at 4-6 weeks of age. Revacc. at 14-16 weeks of age.

W/T: Meat 21 days.

See also IDR page 573

NOBILIS® MA5 + CLONE 30, Intervet SA (MSD Animal Health)

Live infectious bronchitis virus strain and live Newcastle disease virus strain Clone 30.

VACCINE G2301

Indications: Immunisation against the Massachusetts types of Infectious Bronchitis, and Newcastle disease. –Poultry. 10 x 1 000 (2 500) doses

Dosage: Spray method. Eye drop. Safe from day-old.

W/T: Meat 21 days.

See also IDR page 574

NOBILIS® MG 6/85, Intervet SA (MSD Animal Health)

Live *Mycoplasma gallisepticum* strain 6/85.

VACCINE G2598

Indications: Clinical signs associated with *Mycoplasma gallisepticum* infection. –Poultry. 1 000 doses

Dosage: Admin. by fine spray from 6 weeks of age or older. See literature.

W/T: Meat 21 days.

P/I: Do not admin. within 2 weeks of live Newcastle disease, infectious bronchitis or laryngotracheitis vacc. Do not admin. within 4 weeks prior to onset of egg production. Do not medicate fowls with antibacterial drugs 5 days prior or after vacc.

See also IDR page 575

NOBILIS® ND C2, Intervet SA (MSD Animal Health)

Live freeze-dried vacc.

VACCINE G2872

Indications: Primary vacc. against Newcastle disease. –Poultry. 10 x 1 000 (2 500; 5 000; 10 000) doses

Dosage: Vacc. from 1 day onwards via spray or eye drop method.

W/T: Meat 21 days.

P/I: Use as primary vacc. to reduce the severity of reactions when more virulent ND vacc. are used.

See also IDR page 578

NOBILIS® ND CLONE 30, Intervet SA (MSD Animal Health)

Live Newcastle Disease virus, strain Clone 30.

VACCINE G2466

Indications: Newcastle disease. –Poultry. 10 x 1 000, 2 500, 5 000 doses

Dosage: Spray/eye drop: Safe from day-old. Vacc.: Immune for 6 weeks followed by a 2nd vacc. after 2-4 weeks.

W/T: Meat 21 days.

P/I: Do not admin. with or within 7 days of another live respiratory vacc.

See also IDR page 579

NOBILIS® REO 2177, Intervet SA (MSD Animal Health)

A live non-pathogenic Reovirus strain 2177 containing at least 3,1 log¹⁰ TCID₅₀ per dose.

VACCINE G3113

Indications: Reduces tenosynovitis and associated disease symptoms induced by reovirus infection. 1 000, 2 500 doses

Dosage: Can be given as from 1-day of age and is effective in the presence of maternally derived antibodies and is also effective as a primer to inactivated reovirus vacc. Dissolve freeze-dried pellet in diluent for Marek's disease vacc. Inject 0,2 ml/chicken sc into the lower back part of the neck or im into the muscle of the leg.

W/T: 0 days.

C/I: Do not use in birds during lay.

See also IDR page 581

NOBILIS® RHINO CV, Intervet SA (MSD Animal Health)

Each vial contains at least 10^{1,5} TCID₅₀ and maximally 10^{3,7} TCID₅₀ per dose of live attenuated avian rhinotracheitis virus (avian pneumovirus) strain TRT 11/94.

VACCINE G3278

Indications: To reduce infection with avian rhinotracheitis virus (avian pneumovirus) and to reduce clinical signs and effects of the disease. –Poultry. 1 000 doses

Dosage: For oculonasal or spray admin. 1 dose/chicken. See literature.

C/I: Do not use in hens in lay or breeding hens within 4 weeks before the onset of lay. Do not admin. any other vacc. within 14 days before or after vacc. with Nobilis® Rhino CV.

See also IDR page 583

NOBILIS® RISMAVAC, Intervet SA (MSD Animal Health)

Marek's disease virus serotype 1, strain CVI-988. Contains stabilisers and antibiotics.

VACCINE G2444

Indications: Immunisation of day-old chicks against Marek's disease. Also indicated if virulent strains of Marek's disease are prevalent. –Poultry. 1 000, 2 000 doses

Dosage: Keep bottle of mixed vacc. in an ice bath and swirl frequently. Admin. 0,2ml/chick sc in the neck or im in the leg. See literature.

P/I: Thaw by immersing in water at room temperature. Do not thaw in hot or ice-cold water. Ampoules have been known to explode on sudden temperature changes.

See also IDR page 583

NOBILIS® SALENVAC T, Intervet SA (MSD Animal Health)

Formalin killed cells of *Salmonella* Enteritidis PT 4 ≥1 RP*/0,5 ml, formalin killed cells of *Salmonella* Typhimurium DT104 ≥1RP*/ 0,5ml dose.

VACCINE G3558

Indications: For the active immunisation of future breeder and layer chickens and as an aid to reduce faecal excretion and infection of birds by *Salmonella* Enteritidis and *Salmonella* Typhimurium. As an aid in the control of *Salmonella* Enteritidis and *Salmonella* Typhimurium infections. –Poultry. Immunity: See literature. 250ml, 500ml.

Dosage: Inject 0,5ml im in the thigh muscle of birds 4 weeks of age and older. Admin. 2 x with an interval of at least 4 weeks. First vacc. from 6 weeks of age. Second vacc. not later than 16 weeks of age. See literature.

W/T: Meat 6 weeks.

C/I: Do not use in chickens in lay. Do not use in broilers. Do not admin. simultaneously with any other vacc. or within 14 days after use of Nobilis® Salenvac T.

P/I: May be associated with transient dullness, lethargy and lameness, lasting up to 2 days.

See also IDR page 586

★ **NOVAMUNE, Ceva AH**

Contains SYZA26 strain of Infectious Bursal Disease (IBD) virus in complex with IBD antibodies in frozen suspension form. Minimum titre per dose is min 2,3 log¹⁰ CID₅₀.

VACCINE G4364

Indications: Active immunisation of day-old commercial layer chickens in order to reduce mortality, clinical signs, acute lesions of bursa

of Fabricius and to prevent virus shedding caused by classical and very virulent strains of Infectious Bursal Disease virus. –Poultry. 1 000 and 2 000 doses

Dosage: One injection of 0,2 ml/chicken is applied once sc, at 1 day of age. Not recommended to use in birds of any other age. The onset of immunity is expected from 4 weeks after vacc. depending on the initial maternally derived. The duration of immunity is demonstrated until 9 weeks after vacc.

W/T: Meat 21 days.

C/I: Do not admin. any other live vacc. within 7 days of the admin. of this vacc.

See also IDR page 228

PARACOX, Intervet SA (MSD Animal Health)

Live, attenuated coccidiosis vacc. for layers and breeders.

VACCINE G1994

Indications: *E. acervulina*, *E. brunetti*, *E. maxima*, *E. mitis*, *E. necatrix*, *E. praecox*, *E. tenella*. –Poultry. (1 000) 5 000 dose sachets

Dosage: Layers and breeders: 0,1ml/fowl in drinking water or spray over surface feed.

P/I: Not for header tanks. Do not freeze.

See also IDR page 583

PARACOX-5, Intervet SA (MSD Animal Health)

Live, attenuated coccidiosis vacc. for broilers.

VACCINE G2817

Indications: *E. acervulina*, *E. maxima*, *E. mitis*, *E. tenella*. –Poultry. (5 x 1 000) 5 000 dose vials

Dosage: Broilers: 0,004ml/fowl. Dilute 5 000 doses in up to 3L of water. Spray over surface feed.

P/I: For the immunisation of broilers only.

See also IDR page 612

★ **PARACOX®-8, Intervet SA (MSD Animal Health)**

Live sporulated oocysts: *E. acervulina* HP ≥500, *E. brunetti* HP ≥100, *E. maxima* CP ≥200, *E. maxima* MFP ≥100, *E. mitis* HP ≥1 000, *E. necatrix* HP ≥500, *E. praecox* HP ≥100, *E. tenella* HP ≥500/0,004ml dose.

VACCINE G1994

Indications: Attenuated oral coccidiosis vacc. For the active immunisation to reduce infection and clinical signs of coccidiosis caused by *Eimeria acervulina*, *E. brunetti*, *E. maxima*, *E. mitis*, *E. necatrix*, *E. praecox* and *E. tenella*. Immunity begins to develop within 10 days post vacc. and is maintained for at least 36 weeks post vacc. when chickens are housed in conditions that permit oocyst recycling. –Poultry. 1 000, 5 000 doses

Dosage: For oral admin. from 1 day of age in drinking water or by Spray-on-Chickens. Admin. single dose to chickens between 1-day-old and 9 days of age. Shake the container before use to ensure homogeneous

suspension of the oocysts. For admin. by spray-on-chickens, a red food colouring agent should be added to the diluted vacc. or dilute using the solvent, Solvent for Spray-on-Chickens. See literature.

W/T: Meat 21 days.
C/I: Do not admin. to laying hens. Do not admin. in conjunction with any form of anti-coccidial or sulphonamides. Do not mix with any other vacc. or medication except spray solvent.

P/I: Chickens should be strictly floor reared to have access to their droppings, as reinfection is required to induce immunity. Since the protection against coccidial infection following admin. of Paracox®-8 is enhanced by natural challenge, it should be noted that access to any therapeutic agents having anti-coccidial activity, before or after vacc., will affect the efficacy of the vacc. This is particularly important in the 4 weeks following vacc. To reduce the chance of coccidial field challenge before the onset of immunity, litter should be removed, and chicken housing should be thoroughly cleaned between growing cycles. Do not freeze. See literature.

See also IDR page 613

PHIVAX SLE, Phibro
Live *Salmonella* Enteritidis metabolic drift mutant strain 1 x 10⁹ – 2,5 x 10⁹ CFU per dose.
VACCINE G4192

Indications: Bacterial vacc. for the active immunisation of replacement pullets and breeders against salmonellosis caused by *Salmonella* Enteritidis. –Poultry.
1 000, 2 000 or 4 000 doses per viral
Dosage: Birds on farms of unknown *Salmonella* status or positive *Salmonella* Enteritidis detection: 1st dose from 1st day of age, a 2nd dose 6 weeks later, and a 3rd dose not later than 3 weeks before onset of lay. Birds on farms with a known history and absence of *Salmonella* Enteritidis according to routine bacteriological monitoring: 1st dose from 1st day of age, followed by 2nd dose 6 weeks later.

C/I: Do not use in chickens in lay or 4 weeks before the laying period. No anti-infective substances should be used within 3 days before and 3 days after immunisation with the vacc. Birds intended for lay should not come into contact with vacc. birds for 3 weeks following vacc.

See also IDR page 673

POULVAC® AE + POX, Zoetis
Live viruses of avian encephalomyelitis and fowl pox, chicken embryo origin.
VACCINE G1683
Indications: As an aid in the prevention of avian encephalomyelitis and fowl pox. –Poultry.
10 x 1 000 doses

Dosage: For wing-web admin. only. Vacc. fowls between 4-8 weeks before start of egg production.
W/T: Eggs 4 weeks.
C/I: Do not give to laying flocks. May cause a significant drop in egg production for 10-14 days. Do not vacc. chicks <3 weeks of age.
P/I: Do not allow vacc. to touch the feathers, head of fowl or the birds skin (except at site of vacc.).

See also IDR page 854

POULVAC® E. COLI, Zoetis
Avirulent, live, freeze-dried culture of *Escherichia coli* bacteria.
VACCINE G3874
Indications: For spray vacc. of 1-day old fowls as an aid in the prevention of disease caused by *Escherichia coli*. –Poultry.
10 x 5 000 or 20 000 doses
Dosage: Admin. by spray to fowls 1-day old or older. See literature.
W/T: Meat 21 days.
C/I: Do not admin. antibiotics concurrently with this vacc.

See also IDR page 854

POULVAC® IB PRIMER, Zoetis
Infectious Bronchitis Virus strain H120 and D274 clone.
VACCINE G4293
Indications: Vacc. chickens from 1 day of age indicated to stimulate active immunity against Infectious Bronchitis Virus, of the Massachusettis serotype and Dutch variant strain D274. –Poultry.
1 000, 2 500, 5 000 doses
Dosage: Admin. 1 dose/chicken with drinking water or by spray. Broilers: Vacc. on 1st day of life. Future layers or breeders: Vacc. on 1st day of life or during the 3rd to 4th week of life for protection of young chickens and priming for subsequent vacc. with an inactivated vacc. Drinking water and spray admin.: See literature.

C/I: Do not freeze. Protect from light.

See also IDR page 855

POULVAC® IB QX, Zoetis
Live attenuated Avian Infectious Bronchitis virus, strain L1148.
VACCINE G4034
Indications: Reduce respiratory signs of infectious bronchitis caused by QX-like variant strains. Immunity onset: 3 weeks; immunity duration: 63 days. –Poultry.
2 000, 5 000, 10 000 doses
Dosage: Broilers: 1 dose from 1 day of age by spray vacc. Layers and breeders: from 7 days of age by spray vacc.
W/T: Meat 21 days.
C/I: Do not vacc. future layers/breeders before 1 week of age.
See also IDR page 855

POULVAC® MAGNIPLEX, Zoetis
Live complexed vacc.; lyophilised live virus, V877 strain with low attenuation (strong strain), produced in specific pathogen free (SPF) chicken embryos, complexed with Infectious Bursal Disease (IBD) antibodies.
VACCINE G4447
Indications: Prevention of Infectious Bursal Disease. For sc injection of chickens of 1 day-old or in ovo vacc. of embryos between 18 and 19 days of incubation. –Poultry.
10 x 2 000 doses, 10 x 8 000 doses
Dosage: In ovo admin.: Admin. 0,05 ml/embryonated egg of 18 to 19 days of incubation. Admin. 0,2ml sc/1-day old chicken. Use the vacc. immediately after reconstitution. See literature for reconstitution.
W/T: 21 days.
P/I: Admin. a full dose per egg/chicken. Do not give partial doses. Vacc. all chickens of the same lot at the same time.

See also IDR page 856

PREVEXXION RN, Boehringer
Marek's Disease virus, Serotype 1, RN1250 strain at least 952 PFU/dose.
VACCINE G4448
Indications: For *in ovo* vacc. of 18 to 19-day-old embryonated chicken eggs. Also for sc vacc. of healthy one-day-old chickens. –Poultry.
1 000, 2 000, 4 000 doses
Dosage: *In ovo* admin.: Dilute vacc. at 4 000 doses/200ml diluent. Inject a 0,05ml dose into each embryonated egg. Sc injection: Dilute the vacc. at 1 000 doses/200ml diluent. Inject 0,2ml per chicken.
W/T: Meat 21 days.
C/I: Do not mix the vacc. with other vacc. or veterinary medication. Do not thaw ampoules in hot or cold water. Never refreeze a vacc. ampoule after thawing. Do not vacc. diseased embryonated eggs or diseased chickens.

See also IDR page 149

TABIC H-120, Phibro
Infectious bronchitis disease virus, H-120 strain, of fowl embryo origin.
TABLET VACCINE G3402
Indications: Immunisation against Infectious bronchitis. –Poultry.
1 000 or 5 000 doses
Dosage: Admin. via spray or drinking water.

See also IDR page 675

TABIC IB VAR, Phibro
Live, attenuated, freeze-dried Infectious Bronchitis Virus, 233A strain, of SPF-egg origin. Min. titre per dose is 10^{3.2} EID₅₀ Infectious Bronchitis Virus 233A strain.
TABLET VACCINE G4032
Indications: Vacc. of chickens (broiler, breeder and layer) against infectious bronchitis. –Poultry.
10 tablets per blister. Each effervescent tablet contains 1 000 or 5 000 doses.

Dosage: Admin. via coarse spray, aerosol, or by eye drop. See literature for full regimen.

See also IDR page 675

TABIC IB VAR206, Phibro
Each effervescent tablet contains live, bronchitis virus, VAR 2-06 strain of SPF-egg origin. Min. titre per dose is 10^{3.8} EID₅₀ Infectious Bronchitis Virus VAR 2-06 strain.
EFFERVESCENT TABLET VACCINE G4134
Indications: For the vacc. of fowls (broilers, layers and breeders) against infectious bronchitis. Use at all ages starting from day one. This vacc. usually protects well in broiler flocks, which are slaughtered at about 7-8 weeks of age.
10 tablets per blister. 1 blister per carton. Each effervescent tablet contains 1 000, 5 000 doses.
Dosage: Admin. via coarse spray, aerosol spray, or by eye drop. See literature for full regimen.

C/I: See literature.

See also IDR page 675

TABIC M.B., Phibro
Live, freeze-dried Infectious Bursal Disease Virus, M.B. strain, of fowl embryo origin.
TABLET VACCINE G3687
Indications: Infectious Bursal Disease (Gumboro). –Poultry.
10 tablets per blister. Each effervescent tablet contains 1 000 or 5 000 doses.
Dosage: Intended for the vacc. of chicks aged 10-15 days. Can be admin. via drinking water. Reconstitution: Put tablet into cool, clean, non-chlorinated water. Wait 1-2 minutes until complete dissolution is achieved and then mix gently to ensure homogenous dispersion of the vacc. Example of the mixing rate: Chicks 10-15 days: 10 L/1 000 doses. See literature.
W/T: Meat 21 days.

See also IDR page 676

TABIC V.H., Phibro
Live Newcastle Disease virus, V.H. strain, of fowl embryo origin. Min. titre per dose: 10^{6.0} EID₅₀ NCD virus.
TABLET VACCINE G3403
Indications: Newcastle disease. –Poultry.
10 tablets per blister. Each effervescent tablet contains 500, 1 000, 2 000 or 5 000 doses.
Dosage: Admin. via drinking water, as an eye drop or as an aerosol spray. Reconstitution: Put tablet into cool, clean, non-chlorinated water. Wait 1-2 minutes until complete dissolution is achieved and then mix gently to ensure homogenous dispersion of the vacc.

See also IDR page 676

TREMVAC-FP, Intervet SA (MSD Animal Health)
At least 10^{2.5} EID₅₀ avian encephalomyelitis (AE) virus, strain Calnek 1143 and 10^{2.8} EID₅₀ fowl pox virus, strain Gibbs.
VACCINE G2448

Indications: Immunisation of layer pullets and breeder replacement pullets against avian encephalomyelitis (AE) and fowl pox. –Poultry.
1 000 doses

Dosage: Use immediately after reconstitution. Admin. by wing-web method. Vacc. at 16-18 weeks of age. Revacc. during the moulting period. See literature.
W/T: Do not vacc. during lay or within 28 days before the laying period. Meat 21 days.
C/I: Do not vacc. chickens <8 weeks of age. Do not admin. simultaneously with or within 14 days after vacc. with other live vacc.

See also IDR page 653

TS-11, Boehringer
Modified live *M.gallisepticum*, ts-11 strain.
FROZEN VACCINE G2115
Indications: Avian mycoplasmosis. –Poultry.
1 000 doses
Dosage: Eye drop appl. 1 drop/fowl at 12-14 weeks.
P/I: Do not use simultaneously with IB or NCD eyedrop vacc. Do not give antibiotics 2 weeks before or after admin.

See also IDR page 159

UNIVAX–BD, Intervet SA (MSD Animal Health)
A live virus vacc. containing a mild strain (ST-12) of bursal disease (Gumboro) virus.
VACCINE G3674
Indications: Infectious Bursal disease (Gumboro). –Poultry.
10 x 5 000 dose vials
Dosage: By *in ovo* admin. sc or drinking water method. See literature.
W/T: Meat 21 days.

See also IDR page 655

VAXSAFE MS, Intervet SA (MSD Animal Health)
Live attenuated Mycoplasma synoviae strain MS-H Living 2,4 x 10⁶ccu/dose.
VACCINE G3497
Indications: Aid in the control of airsacculitis and synovitis in broiler, breeder and layer pullets caused by *Mycoplasma synoviae*. –Poultry.
1 000 doses

Dosage: Vacc. pullets between 6-14 weeks of age by eye-drop method.
P/I: Do not refreeze after thawing.

See also IDR page 656

VAXXITEK HVT + IBD, Boehringer
Serotype 3 Marek's disease vectored IBD recombinant virus, at least 3880 PFU per dose.
VACCINE G3836
Indications: Aid in the prevention of Infectious Bursal disease (Gumboro) and Marek's disease via *in ovo* vacc. of embryonated fowl eggs or sc vacc. of day-old chicks. –Poultry.
1 000 (2 000, 4 000) doses

Dosage: *In ovo:* Day 18 of incubation. Sc: day-old. See literature for dosage.
W/T: Meat 21 days.
See also IDR page 163

VAXXITEK HVT + IBD + ILT, Boehringer
Marek's disease serotype 3 vectored virus, that contains a gene insert from bursal disease and a gene insert from chicken laryngotracheitis, at least 5640 PFU/dose.
VACCINE G4545
Indications: For the active immunization of chickens against standard and variant bursal disease (Gumboro), laryngotracheitis and Marek's disease in chickens via *in ovo* vaccination of 18 to 19-day-old embryonated chicken eggs or sc vacc. of day-old chicks. –Poultry.
1 000 (2 000, 4 000) doses
Dosage: *In ovo:* Day 18-19 of incubation. Sc: day-old. See literature for dosage.
W/T: Meat 21 days.

VAXXITEK HVT + IBD + ND, Boehringer
Marek's disease serotype 3 recombinant virus containing gene insertions of Infectious Bursal disease (Gumboro) and Newcastle disease, at least 5696 PFU/dose.
VACCINE G4526
Indications: Vacc. for chickens via *in ovo* vacc. of 18 to 19 days old healthy embryonated chicken eggs or sc vacc. of healthy day-old chicks. –Poultry.
1 000 (2 000, 4 000) doses
Dosage: *In ovo:* Day 18-19 of incubation. Sc: day-old. See literature for dosage.
W/T: Meat 21 days.

VECTORMUNE® FP-LT, Ceva AH
A live freeze-dried Fowl Pox virus (Cutter strain) that has been genetically modified to contain and express key protective Infectious Laryngotracheitis virus (LT field strain 632 and NS175) antigens.
VACCINE G3854
Indications: Active immunisation against fowl pox and infectious laryngotracheitis. –Poultry.
500 (1 000, 2 000) doses
Dosage: Wing web application. Use in fowls of at least 8 weeks of age but 4 weeks prior to the onset of lay.
W/T: Meat 21 days.
C/I: Do not admin. within 4 weeks prior to the onset of production or after egg production has begun.

See also IDR page 236

VECTORMUNE® FP-LT + AE, Ceva AH
A live freeze-dried Fowl Pox virus (Cutter strain) that has been genetically modified to contain and express key protective Infectious Laryngotracheitis virus antigens (LT field strains 632 and NS175) and a conventional Avian Encephalomyelitis virus (Calnek 1143 strain).
VACCINE G3853

Indications: Active immunisation against fowl pox, Infectious Laryngotracheitis and Avian encephalomyelitis (epidemic tremor). –Poultry.

500 (1 000, 2 000) doses

Dosage: Wing web application. Use in fowls of at least 8 weeks of age but 4 weeks prior to the onset of lay.

W/T: Meat 21 days.

C/I: Do not admin. within 4 weeks prior to the onset of production or after egg production has begun.

See also IDR page 237

VECTORMUNE® FP-MG, Ceva AH

A live freeze-dried fowl pox virus (Cutter strain) that has been genetically modified to contain and express key protective *Mycoplasma gallisepticum* (Strain S6 and Strain R) antigens.

VACCINE G3851

Indications: Active immunisation against fowl pox and *Mycoplasma gallisepticum* infection. –Poultry.

500 (1 000, 2 000) doses

Dosage: Wing web application. Use in fowls of at least 8 weeks of age but 4 weeks prior to the onset of lay and turkeys of at least 4 weeks of age.

W/T: Meat 21 days.

C/I: Do not admin. within 4 weeks prior to the onset of production or after egg production has begun.

See also IDR page 237

VECTORMUNE® FP-MG + AE, Ceva AH

A live freeze-dried Fowl Pox virus (Cutter strain) that has been genetically modified to contain and express key protective *Mycoplasma gallisepticum* (S6 and R strains) antigens and a conventional Avian Encephalomyelitis virus (Calnek 1143 strain).

VACCINE G3852

Indications: Active immunisation against fowl pox, *Mycoplasma gallisepticum* infection and avian encephalomyelitis (epidemic tremor). –Poultry.

500 (1 000, 2 000) doses

Dosage: Wing web application. Use in fowls of at least 8 weeks of age but 4 weeks prior to the onset of lay and turkeys of at least 4 weeks of age.

W/T: Meat 21 days.

C/I: Do not admin. within 4 weeks prior to the onset of production or after egg production has begun.

See also IDR page 238

VECTORMUNE® HVT IBD, Ceva AH

Live Marek's disease virus (HVT strain), Infectious Bursal Disease virus (Delaware variant E strain).

VACCINE G4019

Indications: Immunisation of day-old fowls and 18-19 day-old chicken embryos to aid in the prevention of Marek's disease and Infectious Bursal Disease. –Poultry.

1 000, 2 000, 4 000 doses

Dosage: Day-old chickens: 0,2ml/fowl sc. 18-19 day-old embryos: 0,05ml/embryo *in ovo*.

W/T: Meat 21 days.

See also IDR page 239

VECTORMUNE® HVT LT, Ceva AH

Contains live Marek's disease virus of serotype 3 (turkey herpes virus or HVT, FC-126 strain) and laryngotracheitis virus (LTV U.S. field strain 632 and *Eschericia coli*) antigens.

VACCINE G4276

Indications: For the active immunisation of healthy day-old chicks and 18-19 day-old chicken embryos to aid in the prevention of Marek's Disease (MD) and Laryngotracheitis (LT).

1 000, 2 000 and 4 000 doses

Dosage: Admin. by in ovo vacc. to 18 to 19 day-old chicken embryos or by sc vacc. of day-old chicks. Mix 100ml diluent for each 1 000 doses to admin 0,1ml/fowl embryo or mix 50ml/diluent for each 1 000 doses to admin. 0,05ml/fowl embryo. Day-old chicks: Mix 200ml diluent for each 1 000 doses of vacc. to admin. 0,2ml/day-old chick.

W/T: Meat 21 days.

C/I: Do not vacc. chicken embryos that are below 18 days of age.

P/O: Do not mix with other vacc. or medications. Do not re-freeze the vacc. See literature.

See also IDR page 240

VECTORMUNE® HVT NDV, Ceva AH

Live Marek's disease virus, Newcastle Disease virus.

VACCINE G4030

Indications: Immunisation of day-old fowls and 18-19 day-old chicken embryos to aid in the prevention of Marek's disease and Newcastle Disease. –Poultry.

1 000, 2 000, 4 000 doses

Dosage: Day-old chickens: 0,2ml/fowl sc. 18-19 day-old embryos: 0,05ml/embryo *in ovo*.

W/T: Meat 21 days.

See also IDR page 242

VECTORMUNE® HVT NDV & RISPENS, Ceva AH

Marek's disease, HVT– Newcastle disease (rHVT/NDV) ≥2 474 PFU through expiration. Marek's disease, Rispens CVI - 988 strain ≥1 206 PFU through expiration.

VACCINE G4181

Indications: An aid in the prevention of Newcastle disease and very virulent Marek's disease. –Poultry.

1 000, 2 000 or 4 000 doses

Dosage: Day-old chicks: Inject 0,2 ml diluted vacc. sc into the back of the neck away from the head of each chick. In ovo in 18-19-day-old chicken embryos: Mix 100 ml diluent/1 000 doses to admin. 0,1 ml/embryo or mix 50ml/1 000 doses of vacc. to admin. 0,05 ml/embryo. See literature.

1 000, 2 000, 4 000 doses

Dosage: Admin. by in ovo vacc. to 18-19 day-old chicken embryos or by sc vacc. to day-old chicks. In ovo admin. and sc admin.: Read literature.

W/T: Meat 21 days.

C/I: Do not use in layers or breeders.

C/I: Do not vacc. chicken embryos that are below 18 days of age. Do not mix with other vacc. or medication. Do not re-freeze the vacc.

P/I: Do not contaminate with disinfectant, antiseptics or spirits.

See also IDR page 244

V.H. + H-120, Phibro

Each vial contains live, freeze-dried Newcastle disease virus, V.H. strain and infectious bronchitis, H 120 strain, of chicken embryo origin

VACCINE G2745

Indications: For the immunisation of fowls against Newcastle disease and infectious bronchitis.

10 vials of 1 000 or 5 000 doses

Dosage: Use only as directed. May be admin. to poultry of all ages via the drinking water, as an eye drop or as an aerosol spray. See package insert.

See also IDR page 676

VIR 118, Huvepharma

Infectious Bronchitis, live attenuated virus IS/1494/06 Var II strain of SPF-egg origin.

VACCINE G4514

Indications: Immunisation against challenge with IS/1494/06 (variant II)-like avian Infectious Bronchitis virus and serologically related types. –Poultry.

5 000 doses

Dosage: Use as a coarse spray or an eye drop. Broilers: Initial vacc. at day old via eye drop or coarse spray and a revacc. at 10-12 days of age via spray. Future layers or breeders: Vacc. 2 x before point of lay. 1 x after 3 weeks of age via eye drop or spray and revacc. before 16 weeks of age via spray. See literature.

W/T: Meat 21 days.

C/I: Do not mix with any other vacc. or immunological product. Do not use in lay. Do

W/T: Meat 21 days.

P/I: Do not remove vacc. from liquid nitrogen until ready for use or refreeze thawed vacc. Wash and disinfect hands after use.

See also IDR page 243

★ **VECTORMUNE® ND, Ceva AH**

Live Marek's disease virus of serotype 3 (HVT, FC-126 strain). Contains and expresses key protective Newcastle Disease virus (D-26 lentogenic strain) antigens.

VACCINE G4277

Indications: The active immunisation of healthy day-old chicks and 18-19 day-old chicken embryos to aid in the prevention of Marek's Disease (MD) and Newcastle Disease (ND).

1 000, 2 000 and 4 000 doses

Dosage: Admin. by in ovo vacc. to 18-19 day-old chicken embryos or by sc vacc. to day-old chicks. In ovo admin. and sc admin.: Read literature.

W/T: Meat 21 days.

C/I: Do not use in layers or breeders.

C/I: Do not vacc. chicken embryos that are below 18 days of age. Do not mix with other vacc. or medication. Do not re-freeze the vacc.

P/I: Do not contaminate with disinfectant, antiseptics or spirits.

See also IDR page 244

V.H. + H-120, Phibro

Each vial contains live, freeze-dried Newcastle disease virus, V.H. strain and infectious bronchitis, H 120 strain, of chicken embryo origin

VACCINE G2745

Indications: For the immunisation of fowls against Newcastle disease and infectious bronchitis.

10 vials of 1 000 or 5 000 doses

Dosage: Use only as directed. May be admin. to poultry of all ages via the drinking water, as an eye drop or as an aerosol spray. See package insert.

See also IDR page 676

VIR 118, Huvepharma

Infectious Bronchitis, live attenuated virus IS/1494/06 Var II strain of SPF-egg origin.

VACCINE G4514

Indications: Immunisation against challenge with IS/1494/06 (variant II)-like avian Infectious Bronchitis virus and serologically related types. –Poultry.

5 000 doses

Dosage: Use as a coarse spray or an eye drop. Broilers: Initial vacc. at day old via eye drop or coarse spray and a revacc. at 10-12 days of age via spray. Future layers or breeders: Vacc. 2 x before point of lay. 1 x after 3 weeks of age via eye drop or spray and revacc. before 16 weeks of age via spray. See literature.

W/T: Meat 21 days.

C/I: Do not mix with any other vacc. or immunological product. Do not use in lay. Do

not vacc. future layers/breeders before 3 weeks of age.

P/I: Vacc. all susceptible birds at the same time because the vacc. has the ability to spread by contact. Use entire reconstituted contents within 2 hours and do not store unused vacc. for later use. Do not contaminate rivers, dams or any water sources with containers or waste.

See also IDR page 394

VIRSAL-E, Huvepharma

Live attenuated *Salmonella* Enteritidis, MTR2 strain, 1 x 10⁸ CFU per dose.

VACCINE G4105

Indications: Live freeze dried vacc. for active immunisation of layers and breeders to reduce mortality, colonization, invasion and faecal of *Salmonella* Enteritidis. –Poultry.

2 500 (5 000) doses

Dosage: For admin. via drinking water. See literature.

W/T: 21 days.

C/I: Do not admin. antimicrobials 3 days before or after immunisation. Do not vacc. during laying period. Vacc. should be complete at least 3 weeks prior to the point of lay.

See also IDR page 395

VIRSAL T, Huvepharma

Salmonella Typhimurium is a controlled disease in terms of the Animal Diseases Act (Act 35 of 1984). Report occurrence or suspicion of the disease immediately to the responsible State Veterinarian. Attenuated *Salmonella* Typhimurium bacteria, strain MTR40.

VACCINE G4515

Indications: Immunisation to prevent infections and to reduce colonisation of internal organs and faecal excretion of *Salmonella* Typhimurium field strains. –Poultry.

2 500, 5 000 doses

Dosage: Layers and breeders 1 day old: drinking water or spray. Layers and breeders 5-7 weeks: drinking water. Layers 12-13 weeks: drinking water. Breeders 16-20 weeks: drinking water. See literature.

W/T: Meat and eggs 21 days.

C/I: Do not mix with any other vacc. Do not admin. antimicrobial drugs 3 days before and 3 days after immunisation. Do not use in birds in lay or within 3 weeks before the onset of the laying period.

P/I: Use entire reconstituted contents within 2 hours and do not store unused vacc. for later use. Do not contaminate rivers, dams or any water sources with containers or waste.

See also IDR page 396

19.6.2. Inactivated vaccines

Indications: Prevention of clinical signs associated with *Mycoplasma gallisepticum* infection in pullets. –Poultry

500ml (1 000 doses).

Dosage: 0,5ml sc/fowl. 1st vacc.: 5 weeks of age or older. 2nd vacc.: At least 4 weeks after the 1st vacc. and 4 weeks prior to the onset of lay.

W/T: Meat 42 days.

P/I: May lead to a slight drop in egg production.

See also IDR page 271

AVIPRO™ 105 ND CHICK, Elanco AH

Newcastle Disease virus with a min. titre of 10^{6,1} EID₅₀, B1 Type, strain LaSota/dose.

VACCINE G2742

Indications: Vacc. of day-old chicks against Newcastle Disease. –Poultry.

500ml (5 000 doses)

Dosage: 0,1ml sc/fowl. Vacc. day-old chicks sc in the middle or lower portion of the neck.

W/T: Meat 42 days.

See also IDR page 271

AVIPRO™ 106 REO, Elanco AH

A min. titre of 10^{6,3} TCID₅₀ Reovirus strain S1133 and 10^{5,8} TCID₅₀ Reovirus strain 1733/dose.

VACCINE G2691

Indications: Vacc. of primed replacement breeding hens and cockerels against viral arthritis/tenosynovitis (Reovirus infection). –Poultry.

500ml (1 000 doses)

Dosage: 0,5ml sc/fowl into the middle or lower portion of the neck. Vacc. (prime) with live virus tenosynovitis at least 4 weeks prior to the use of this vaccine. Vacc. between 16-20 weeks of age. Revacc. 4-6 weeks later.

W/T: Meat 42 days.

P/I: May lead to a slight drop in egg production.

See also IDR page 271

AVIPRO™ 109 SE4 CONC, Elanco AH

A min. titre of *Salmonella* Enteritidis bacteria Phage Type 8, 10^{7,7} CFU, Type 14B, 10^{7,7} CFU, Type 23, 10^{7,7} CFU & Type 24, 10^{7,7} CFU/dose.

VACCINE G2570

Indications: An aid in the reduction of *Salmonella* Enteritidis colonisation of internal organs, including the reproductive tract. –Poultry.

500ml (2 000 doses)

Dosage: 0,25ml sc/fowl. 1st vacc.: Vacc. chickens at 12-16 weeks of age. 2nd vacc.: 4 weeks after 1st vacc. at the latest 2 weeks prior to onset of lay.

W/T: Meat 42 days.

P/I: May lead to a slight drop in egg production.

See also IDR page 272

AVIPRO™ 201 ND-IB, Elanco AH

A min. titre of 10^{7,7} EID₅₀ Newcastle Disease virus, B1 type, LaSota strain, and 10^{6,9} EID₅₀ Infectious Bronchitis virus, Massachusetts type, Dg strain/dose.

VACCINE G1556

VACCINE G4039

Indications: Immunisation of breeder hens and replacement pullets as an aid in the prevention of Newcastle Disease and Infectious Bronchitis. –Poultry.

500ml (1 000 doses)

Dosage: 0,5ml sc/fowl into the middle or lower portion of the neck. Vacc. fowls at 16-20 weeks of age.

W/T: Meat 42 days.

P/I: May lead to a slight drop in egg production.

See also IDR page 272

AVIPRO™ 226 BT02-REO, Elanco AH

A min. titre of Bursal Disease virus: Standard challenge strain 10^{3,3} EID₅₀ and Delaware Variant 1084E 10^{3,9} EID₅₀ and Avian Reovirus: 1733 strain 10^{5,8} TCID₅₀ and S1133 strain 10^{6,3} TCID₅₀/dose.

VACCINE G3924

Indications: Immunisation of breeder hens and replacement pullets as an aid to provide maternal antibodies for the early protection of progeny against Reovirus related malabsorption syndrome and tenosynovitis and type 1, infectious bursal disease. –Poultry.

Dosage: 0,5ml sc/fowl into the middle or lower portion of the neck. Vacc. at 12-20 weeks of age. Vacc. (prime) with live virus tenosynovitis and bursal disease vacc. at least 4 weeks prior to the use of this vacc.

W/T: Meat 42 days.

See also IDR page 273

AVIPRO™ 304 ND-IB-MG, Elanco AH

Min. titre of 10^{7,6} EID₅₀ of Newcastle Disease virus, B1 Type, LaSota strain and 10^{6,9} EID₅₀ of Infectious Bronchitis virus, Mass Type, Holland 52 strain of chicken embryo origin, mixed with inactivated R strain, 10^{6,0} CCU of *Mycoplasma gallisepticum*/dose.

VACCINE G1555

Indications: Immunisation of pullets as an aid in the prevention of Newcastle Disease, Infectious Bronchitis and clinical signs associated with *Mycoplasma gallisepticum* infection. –Poultry.

500 ml (1 000 doses).

Dosage: 0,5ml sc/fowl into the middle or lower portion of the neck. 1st vacc.: 6 weeks of age or older. 2nd vacc.: 3-6 weeks later. Admin. 3 weeks prior to 1st dose a live Newcastle-Bronchitis vacc. (Mass. Type)

W/T: Meat 42 days.

P/I: May lead to a slight drop in egg production.

See also IDR page 273

AVIPRO™ 441 ND-IB-BTO-REO, Elanco AH

Min. titre of Infectious Bursal Disease virus, Standard challenge strain, 10^{3,3} EID₅₀. Newcastle Disease virus B1 type, LaSota strain, 10^{7,7} EID₅₀. Infectious Bronchitis virus, Massachusetts type, Dg strain, 10^{6,9} EID₅₀ and

Avian Reovirus 1733 strain, 10^{5.8} TCID₅₀ and S1133 strain, 10^{6.3} TCID₅₀/dose.

VACCINE G2776

Indications: Immunisation of primed and layer replacement hens during the mid- to late rearing period as an aid in the prevention of Newcastle Disease (ND) and Infectious Bronchitis (IB) and to provide maternal antibodies for the passive protection of progeny against Reovirus related malabsorption syndrome and tenosynovitis, as well as Infectious Bursal Disease (Gumboro). –Poultry.

500ml (1 000 doses)

Dosage: 0,5ml sc/fowl at 12-20 weeks.

Prime fowls with live Newcastle Disease and Infectious Bronchitis vacc. at least 4 weeks prior to the use of this vacc. Also prime with live virus tenosynovitis vacc. and with mild or intermediate strains of live Infectious Bursal Disease (Gumboro) vacc.

W/T: Meat 42 days.

See also IDR page 274

AVISAN MULTI, Hipra SA

Per dose (0,5ml): Avian Infectious Bronchitis virus, inactivated, strain H52 HAI1: 2⁶-2⁸; Newcastle Disease virus, inactivated, La Sota strain HAI2: 2⁴-2⁸; Egg Drop Syndrome virus, inactivated, adenovirus-127 strain HAI1: 2⁷-2⁹.

INJECTABLE EMULSION G4417

Indications: Hens: Immunisation of future layer chicks from 16 weeks of age for protection against the virus of Newcastle disease, the egg drop syndrome 76 virus and against a drop in production and quality of laying caused by the Massachusetts serotype of avian infectious bronchitis virus. Protects poultry up to 65 weeks of age. –Poultry.

1 000 doses

Dosage: 0,5ml sc/hen. Admin. at 16 weeks of age in the mid-dorsal part of the neck, in the opposite direction to the head.

C/I: Do not admin. during lay.

P/I: Do not mix with any other vacc. or immunological product.

See also IDR page 352

AVISAN MULTI/CO, Hipra SA

Per dose (0,5ml): Infectious Bronchitis virus inactivated, strain H52 10⁶ EID₅₀; Newcastle Disease virus inactivated, strain La Sota 10⁹ EID₅₀; Egg Drop Syndrome virus inactivated, strain adenovirus-127 307,2 HAU;

Avibacterium paragallinarum, serotype A 1,25 x 10⁹ microorganisms; *Avibacterium paragallinarum*, serotype B 1,25 x 10⁹ microorganisms; *Avibacterium paragallinarum*, serotype C 1,25 x 10⁹ microorganisms.

VACCINE G4420

Indications: Prevention of Infectious Bronchitis, Newcastle Disease, Egg Drop Syndrome-76 and Infectious Coryza. –Poultry.

1 000 doses

Dosage: 0,5ml/bird. Admin. 2 vacc. with a 6 week interval. See literature for vacc. programme.

See also IDR page 352

AVISAN SECURE, Hipra SA

Each dose contains at least inactivated *Salmonella* Enteritidis PT4 MAT ≥1/13 and inactivated *Salmonella* Typhimurium DT104 MAT ≥1/40.

VACCINE G4059

Indications: Immunisation against *Salmonella* Enteritidis and *Salmonella* Typhimurium in future layer and breeder chicks, for reducing the infection of internal organs by said micro-organisms, as well as the reduction of intestinal colonisation and of faecal excretion and reduction of vertical transmission through ovaries. –Poultry (Hens: future layer and breeder chicks).

500, 1 000 doses

Dosage: Future layer and breeder chicks: 1 dose of 0,5ml im in the breast per fowl.

Admin. 1st dose at 10 weeks and 2nd dose at 17 weeks of age. See literature.

W/T: Meat 21 days

C/I: Do not admin. during lay.

P/I: Do not admin. other vacc. within 14 days before or after admin. this product. Do not mix with other vacc.

See also IDR page 353

AVISAN TRT4 , Hipra SA

Inactivated IBV, strain H52 10⁶ EID₅₀, NDV strain La Sota 10⁹ EID₅₀, IBDV strain W2512 10⁶ CID₅₀, turkey rhinotracheitis virus (TRTV) strain 1062 10⁶ CID₅₀.

VACCINE G2911

Indications: Prevention of Newcastle disease, infectious bronchitis, infectious bursal disease (Gumboro) and swollen head syndrome. –Poultry.

500 doses

Dosage: Vacc. primed replacement pullets and breeders at least 4 weeks before the onset of lay. Admin. 1ml im/fowl.

W/T: Meat 6 weeks.

C/I: Do not expose to direct sunlight or extreme heat during vacc. Do not mix with other vacc.

P/I: May lead to a slight decrease in egg production.

See also IDR page 354.

AVIVAC® AI, Deltamune

An oil-emulsion of inactivated avian influenza virus (H6 N2 subtype) containing at least. 10^{6.0} EID₅₀ per dose (before inactivation).

VACCINE G3747

Indications: Immunisation against low pathogenic avian influenza. (H6 subtype). –Poultry.

500ml

Dosage: Fowls of 6 weeks and older: 0,5ml im. Booster dose of 0,5ml after an interval of at least 4 weeks.

W/T: Meat 6 weeks.

P/I: Do not mix with other vacc.

Note: Any occurrence or suspected occurrence of avian influenza must be reported immediately to the local state veterinarian.

See also IDR page 248

AVIVAC® CORYZA, Deltamune

VACCINE G2080

An oil-emulsion of inactivated *Avibacterium paragallinarum* containing at least 1 x 10⁸ CFU per dose of both serotypes A and C.

Indications: Infectious coryza. –Poultry.

500ml

Dosage: 0,5ml im of replacement pullets or breeding fowls 6-10 weeks of age.

Admin. booster after 4 weeks, but not within 4 weeks of lay.

W/T: Meat 3 months.

P/I: Do not vacc. hens in lay.

See also IDR page 248

AVIVAC® CORYZA/EDS, Deltamune

Inactivated EDS 76 virus and inactivated *Avibacterium paragallinarum* containing at least 1 x 10⁸ CFU per dose of both serotypes A and C. –Poultry.

VACCINE G2081

Indications: Immunisation against infectious coryza and egg drop syndrome. After 4 weeks the immunity should reach a maximum.

500ml

Dosage: For replacement pullets or breeding fowls. 0,5ml im at 6-10 weeks of age.

Admin. booster at least 4 weeks after the first one, but not within 4 weeks of onset of lay – or 1ml im once.

W/T: Meat 3 months.

C/I: Do not vacc. hens in lay.

See also IDR page 249

AVIVAC® CORYZA/SE/ST, Deltamune

An inactivated suspension of *Avibacterium paragallinarum*, *Salmonella* Enteritidis and *Salmonella* Typhimurium. Each 0,5ml fowl dose contains at least 1 x 10⁸ CFU of each active ingredient suspended in an oil adjuvant.

VACCINE G4445

Indications: It is indicated for the preventive immunisation of fowls against infectious coryza and infection with *Salmonella* Enteritidis and *Salmonella* Typhimurium. –Poultry.

500ml

Dosage: Fowls should be vacc. at a min. age of 10 weeks. In fowls, 0,5ml is admin. im in the breast muscle. A booster dosage should be given at least 4 weeks after the primary dose.

W/T: 42 days.

See also IDR 249

AVIVAC® ND, Deltamune

An oil-emulsion of inactivated Newcastle Disease virus (lentogenic La Sota strain).

VACCINE G3670

Indications: Immunisation against Newcastle Disease.

500ml

Dosage: Fowls older than 8 weeks of age: 0,5ml im. Prime fowls with a live ND vacc. prior to vacc. with Avivac ND.

W/T: Meat 6 weeks.

See also IDR page 250

AVIVAC® PM/SE/ST, Deltamune

Inactivated suspension of *Pasteurella multocida*, *Salmonella* Enteritidis and *Salmonella* Typhimurium. Each 0,5ml. fowl dose contains at least 1 x 10⁸ CFU of each active ingredient suspended in an oil adjuvant.

VACCINE G4456

Indications: Preventive immunisation of fowls against fowl cholera and infection with *Salmonella* Enteritidis and *Salmonella* Typhimurium.

500ml.

Dosage: Fowls should be vacc. at a min. age of 10 weeks. In fowls, 0,5ml is admin. im in the breast muscle. A booster dosage should be given at least 4 weeks after the primary dose.

W/T: 42 days.

See also IDR 251

CEVAC® CORYMUNE 4 K, Ceva AH

Inactivated *Avibacterium paragallinarum* antigens (serotypes A, B and C) and *Salmonella* Enteritidis antigens (phage type 13A, strain 038-090 in an aluminium hydroxide adjuvant.

VACCINE G3799

Indications: Immunisation against Infectious Coryza and as an aid against *Salmonella* Enteritidis. –Poultry.

1 000 doses

Dosage: Layer and breeder fowls, 8-12 weeks of age: 0,5ml sc or im. Revacc. 4-6 weeks later, using an oil-adjuvant inactivated vacc. against the same diseases.

W/T: Meat 6 weeks.

See also IDR page 189

CEVAC® CORYMUNE 7 K, Ceva AH

Inactivated Newcastle Disease virus (La Sota strain), Infectious Bronchitis (M-41 strain), Egg Drop Syndrome virus (B8/78 strain), *Avibacterium paragallinarum* antigens (serotypes A, B and C) and *Salmonella* Enteritidis antigens (phage type 13A, strain 038-090) in an oil emulsion. Minimum titre per dose is 6 log₂ HI ND virus, 4,4 log₂ HI IB virus.

VACCINE G3790

Indications: Primed layer and breeder fowls: Immunisation against Newcastle Disease and Infectious Bronchitis. Layer and breeder fowls: Immunisation against Egg Drop Syndrome and Infectious Coryza and as an aid in the control of *Salmonella* Enteritidis infection. –Poultry.

1 000 doses

Dosage: 0,5ml sc or im. Breeder or layer flocks. – at least 4 weeks prior to the onset of lay. First prime with a live ND and IB vacc.

and inject with an inactivated IC and SE vacc. at least 4-5 weeks prior to vacc. with Cevac® 7.

W/T: Meat 6 weeks.

See also IDR page 190

★ **CEVAC® MEGAMUNE ND-IB-EDS-SHS K, Ceva AH**

Inactivated vaccine. ND virus, strain NDV-SZ LaSota, Avian infectious bronchitis virus, strain M-41 and strain QX Fr., Egg drop syndrome virus, strain B8/78, Avian metapneumovirus, strain TRT50.

VACCINE G4130

Indications: Indicated to stimulate immunity against ND, Massachusetts and QX-like serotypes of IB virus, EDS virus and AMP virus. Use in layer and breeder type chicken flocks. See literature for details. –Poultry.

100ml, 500ml

Dosage: Shake well before and during use.

Admin. from 14 weeks of age but not later than 3 weeks before lay. Inject 0,5ml im into breast muscles or sc into the back of the neck.

See literature.

W/T: Meat 21 days.

P/I: See literature for details of warnings and precautions.

See also IDR page 194

CEVAC® ND-IB-EDS K, Ceva AH

Inactivated ND virus (SZ LaSota strain), IB virus (M-41 strain), EDS virus (B8/78 strain).

VACCINE G3118

Indications: Newcastle Disease, Infectious Bronchitis and Egg Drop syndrome. –Poultry.

500 (1 000) doses

Dosage: 0,5ml im (breast muscle) or sc (neck region).

W/T: Meat 42 days.

See also IDR page 196

CORIPRAVAC, Hipra SA

Inactivated *Avibacterium paragallinarum* serotypes A, B and C.

VACCINE G3824

Indications: Prevention of Infectious Coryza in breeder and layer fowls. –Poultry.

1 000 doses

Dosage: 1 dose (0,5ml) per fowl im.

W/T: Meat 42 days.

P/I: Vacc. of fowls in production may lead to a slight drop in egg production.

See also IDR page 354

CORYZA, Phibro

Inactivated *Avibacterium paragallinarum* AKKO and 221 strains.

VACCINE G3800

Indications: Immunisation of layers and breeder fowls against infectious coryza. –Poultry.

1 000 doses

Dosage: 0,5ml per fowl sc on the back between the wings lateral to the spine.

See literature.

W/T: Meat 42 days.

See also IDR page 670

CORYZA PLUS, OBP

Oil-emulsion of formalin-inactivated *Avibacterium paragallinarum* serotypes A, C2 and Tongaat strains.

VACCINE G1362

Indications: *Haemophilus coryza*. –Poultry.

1 000 doses

Dosage: Immunise from 6 weeks of age, 3 weeks before lay, 0,5ml sc.

S/E: Shock may occur.

W/T: Meat 90 days.

GALLIMUNE 203 ND + IB, Boehringer

Infectious Bronchitis (Mass. 41 strain) and Newcastle disease virus (Ulster 2C strain) in an oily adjuvant.

VACCINE G2896

Indications: Infectious Bronchitis and Newcastle disease virus. –Poultry.

300ml

Dosage: 0,3ml im. Vacc. primed future breeder and layer pullets 2-4 weeks before point of lay.

W/T: Meat 42 days.

See also IDR page 117

GALLIMUNE 302 ND + IB + EDS, Boehringer

Inactivated Newcastle Disease virus (Ulster 2C strain), inactivated Infectious Bronchitis virus (Mass. 41 strain) and inactivated Egg Drop Syndrome virus (V127 strain) 0,3ml.

Emulsified in mineral oil.

VACCINE G2897

Indications: Newcastle Disease, Infectious Bronchitis and Egg Drop Syndrome. –Poultry.

300ml

Dosage: 0,3ml im. Vacc. future breeder and layer pullets 2-4 weeks before point of lay.

W/T: 42 days.

See also IDR page 117

GALLIMUNE 407 ND + IB + EDS + ART, Boehringer

Inactivated Newcastle Disease virus, Ulster 2C strain, inactivated Infectious Bronchitis virus, Massachusetts 41 strain, inactivated Egg Drop Syndrome virus (EDS76), V127 strain, inactivated Avian Rhinotracheitis virus (swollen head syndrome) VC03 strain, thiomersal, emulsified in mineral oil.

VACCINE G2895

Indications: Immunisation of primed future breeders and future layer pullets against Newcastle Disease and Infectious Bronchitis, for the immunisation of primed future breeders against avian rhinotracheitis and for the immunisation of future breeders and commercial layers against Egg Drop Syndrome 76. –Poultry.

300ml

Dosage: 0,3ml im. Vacc. future breeder and layer pullets 4 weeks before point of lay.

W/T: Meat 21 days.

See also IDR page 118

GALLIMUNE 503 ND + IB + EDS +IC2, Boehringer
Inactivated Newcastle Disease virus (Ulster 2C strain), inactivated Infectious Bronchitis virus (Mass 41 strain), inactivated Egg Drop Syndrome virus (V127 strain), inactivated Infectious Coryza virus (se A + C strain). Emulsified in mineral oil.
VACCINE G3491
Indications: Primed future breeders and commercial laying fowls against Newcastle Disease, Infectious Bronchitis, Infectious Coryza, Egg Drop Syndrome. –Poultry. 300ml
Dosage: 0,3ml im. Vacc. future breeder and layer pullets 2-4 weeks before point of lay im.
W/T: Meat 42 days.
See also IDR page 118

GALLIMUNE ND DAY OLD, Boehringer
Inactivated Newcastle Disease virus (Ulster 2C strain) in an oily adjuvant.
VACCINE G2893
Indications: Newcastle Disease virus in chicks less than 1 week of age. –Poultry. 500ml
Dosage: 0,1ml sc. Vacc. chicks less than 1 week of age simultaneously with live Newcastle Disease vaccine.
W/T: Meat 42 days.
See also IDR page 119

GALLIMUNE SE + ST, Boehringer
Salmonella Enteritidis is a controlled disease in terms of the Animal Disease Act (Act 35/1984). In terms of the Act: Any occurrence of *Salmonella* Enteritidis has to be reported immediately to the local state veterinarian.
VACCINE G3968
Inactivated Salmonella Enteritidis PT4, at least 171 SAT.U; inactivated *Salmonella Typhimurium* DT 104, at least 149 SAT.U./0,3ml dose.
Indications: Vaccine against *Salmonella* Enteritidis and *Salmonella* Typhimurium. In breeders and layers pullets: Active immunisation to reduce *Salmonella* Enteritidis dissemination in the ovary. Active immunisation to reduce *Salmonella* Typhimurium and *Salmonella* Enteritidis dissemination in the intestinal tract. –Poultry. 300ml
Dosage: Shake well before use. Inject 1 dose im. 1st inj from 6 weeks of age. 2nd inj at 16 weeks. The interval between the 2 injections should be at least 4 weeks and at most 10 weeks.
W/T: Meat 21 days.
C/I: No other vacc. should be admin. within 14 days before or after vacc. with the product. Do not use within 2 weeks before the onset of lay and/or during the laying period.
P/I: This product contains mineral oil. Accidental self-injection may lead to a severe local allergic reaction. Consult a physician and inform her/him that the vacc. contains a mineral oil.
See also IDR page 120

GUMBIN VP2, Phibro
Inactivated Newcastle Disease virus VH strain and Infectious Bursal Disease Virus Israeli strain VP2 protein in an oil emulsion.
VACCINE G3696
Indications: Immunisation of primed breeder and layer pullets prior to point-of-lay, against Newcastle Disease and Infectious Bursal Disease (Gumboro). For the vacc. of 1-day-old chicks. –Poultry. 500ml
Dosage: 0,5ml per fowl im. Inject all fowls in the flock. 0,1ml/1-day-old chick.
W/T: Meat 6 weeks.
See also IDR page 671

HIPRAVIAR-TRT, Hipra SA
Inactivated TRT virus, strain 1062 and each 0,5ml dose contains ≥10⁶ TCID₅₀ in an oil emulsion.
VACCINE G3819
Indications: Prevention of swollen head syndrome. –Poultry. 1 000 doses
Dosage: 1 dose (0,5ml)/fowl im. Layers and breeders: Admin. any time from 21 days of age or after 21 days of age; revacc. before the laying period (18 weeks).
W/T: 42 days.
See also IDR page 366

MG-BAC, Zoetis
Inactivated *Mycoplasma gallisepticum* bacterin in an oil emulsion.
VACCINE G0902
Indications: An aid in the prevention of clinical signs of *Mycoplasma gallisepticum* infection. –Poultry. 1 000 doses
Dosage: Inject 0,5ml sc into the back of the neck, or im into the pectoral muscle. Laying hens: To protect egg production in commercial layers, vacc. 2 x prior to onset of egg production at 10-12 weeks of age and repeat at 14-16 weeks. Pullets: can be vacc. at 7 days of age or older. Chicks <10 weeks old should be vacc. sc only. Revacc. im at 16 weeks of age. Use only as directed.
W/T: Meat 42 days.
P/I: If fowls are vacc. during lay, a drop in egg production may occur.
See also IDR page 849

NECTIV FORTE, Phibro
Inactivated Newcastle Disease Virus, VH strain, of chicken embryo origin, in an oil emulsion.
VACCINE G2705
Indications: Immunisation of day-old chicks and chickens up to the age of 3 weeks against Newcastle Disease virus. –Poultry. 500ml

Dosage: 0,1ml per day-old chick and 0,2ml per chicken older than 1 day up to the age of 3 weeks. Inject all fowls in the flock.
W/T: Meat 6 weeks.
See also IDR page 673

NOBILIS® CORVAC-4, Intervet SA (MSD Animal Health)
A. paragallinarum: strain 083 (serotype A) at least 1 CPD₇₀*, strain Spross (serotype B) at least 1 CPD₇₀*, strain H-18 (serotype C) at least 1 CPD₇₀* and strain 48 (serotype variant type B) at least 1 CPD₇₀*/0,5ml, incorporated in a water-in-oil emulsion. (*70% chicken protective dose).
VACCINE G3491
Indications: Reduces infection and clinical signs of infectious coryza caused by *Avibacterium paragallinarum*. –Poultry. 500ml (1 000 doses)
Dosage: 0,5ml/fowl sc from 3 weeks of age onwards and before lay. Allow a 6-week interval between vacc.
W/T: Meat 6 weeks.
C/I: Do not use for hens in lay.
See also IDR page 559

NOBILIS® CORYZA, Intervet SA (MSD Animal Health)
Avibacterium paragallinarum serotypes A, B & C.
VACCINE G2360
Indications: Infectious coryza caused by *Avibacterium paragallinarum*. –Poultry. 500ml (1 000 doses).
Dosage: 0,5ml sc in the back of the neck from 5 weeks of age. Revacc. before onset of lay.
W/T: Meat 42 days.
See also IDR page 559

NOBILIS® EDS, Intervet SA (MSD Animal Health)
Inactivated Egg Drop syndrome '76 virus (strain BC 14) antigen.
VACCINE G2578
Indications: Egg Drop Syndrome. –Poultry. 500ml (1 000 doses)
Dosage: 0,5ml im/sc at 16-20 weeks of age, not less than 4 weeks before onset of lay.
W/T: Meat 42 days.
See also IDR page 560

NOBILIS® G + ND, Intervet SA (MSD Animal Health)
Inactivated immunogenic virus strains of Gumboro and Newcastle disease virus (Clone 30).
(S4) VACCINE G2707
Indications: Gumboro and Newcastle disease in breeding stock and layers. –Poultry. 500ml (1 000 doses)
Dosage: 0,5 im/sc at 16-20 weeks of age, not less than 4 weeks before onset of lay.
W/T: Meat 42 days.
P/I: Admin. 6+ weeks after live primer.
See also IDR page 561

NOBILIS® GUMBORO INAC, Intervet SA (MSD Animal Health)
Inactivated vacc. Gumboro virus strain D78/0,5ml dose.
VACCINE G2562
Indications: Booster vacc. of breeding stock against IBD to protect the offspring of vacc. fowls against Gumboro disease. –Poultry. 500, 1 000 doses
Dosage: 0,5ml/fowl im into the thigh or breast muscle or sc into the neck. Admin. at 16-20 weeks of age, but not less than 4 weeks before the onset of lay. Fowls must be primed with a live vacc. against IBD.
W/T: Meat 6 weeks.
P/I: Vacc. of fowls may lead to a slight drop in egg production.
See also IDR page 564

NOBILIS® IB + G + ND, Intervet SA (MSD Animal Health)
Inactivated viruses of infectious bronchitis (Massachusetts serotype strain M41), Gumboro and Newcastle disease (Clone 30).
VACCINE G2696
Indications: Breeding stock against infectious bronchitis, Newcastle- and Gumboro disease. –Poultry. 500ml (1 000 doses)
Dosage: 0,5ml im/sc at 16-20 weeks of age, not less than 4 weeks before onset of lay.
W/T: Meat 42 days.
P/I: Admin. 6+ weeks after live primer.
See also IDR page 567

NOBILIS® IB MULTI-ND+EDS, Intervet SA (MSD Animal Health)
Per 0,5ml dose: Inactivated IBV M41 inducing ≥4,0 log₂ VN units, inactivated IBV 249G inducing ≥4,0 log₂ VN units, inactivated EDSV inducing ≥6,5 log₂ HI units, inactivated NDV inducing ≥4,0 log₂ HI units per 1/50th of a dose.
VACCINE G4323
Indications: For protection of breeder and layer stocks against the Massachusetts and D207/D274 serotypes of Infectious Bronchitis virus, Newcastle Disease virus and Egg Drop Syndrome virus. –Poultry. 250ml, 500ml
Dosage: 0,5ml/chicken im in the thigh or chest muscle, or sc into the lower part of the neck. Admin. around 14-20 weeks of age but not later than 4 weeks before onset of lay. For an optimal booster effect, prime chickens with live vacc. against IB and ND.
W/T: 21 days.
C/I: Do not vacc. if flock is being medicated or vacc. with any other vacc. Allow 2-3 weeks before vacc. with this vacc. Do not mix with any other vacc. or medication.
See also IDR page 570

NOBILIS® IB + ND, Intervet SA (MSD Animal Health)
Inactivated immunogenic virus strains of Infectious Bronchitis (Massachusetts type) and NDV.

VACCINE G2614
Indications: Newcastle disease and infectious bronchitis. –Poultry. 500ml (1 000 doses)
Dosage: 0,5ml im/sc at 16-20 weeks of age, not less than 4 weeks before onset of lay.
W/T: Meat 42 days.
P/I: Admin. 6+ weeks after live primer.
See also IDR page 570

NOBILIS® IB + ND + EDS, Intervet SA (MSD Animal Health)
Immunogenic virus strains of Infectious Bronchitis (Massachusetts strain), Newcastle disease and BC strain 14 of Egg Drop Syndrome '76.
VACCINE G2613
Indications: Egg Drop Syndrome '76. Booster vacc. against Newcastle disease and infectious bronchitis. –Poultry. 500ml (1 000 doses)
Dosage: 0,5ml im/sc at 16-20 weeks of age, not less than 4 weeks before onset of lay.
W/T: Meat 42 days.
P/I: Admin. 6+ weeks after live primer.
See also IDR page 571

NOBILIS® MG INAC, Intervet SA (MSD Animal Health)
Mycoplasma gallisepticum, strain 6/85.
VACCINE G2695
Indications: Airsacculitis, egg production losses caused by *M. gallisepticum* infection. –Poultry. 500ml (1 000 doses)
Dosage: 0,5ml sc at 3 weeks of age and older.
C/I: 14 days before onset of lay/during lay.
W/T: Meat 42 days.
See also IDR page 576

NOBILIS® ND BROILER, Intervet SA (MSD Animal Health)
Inactivated Newcastle Disease virus for the active immunisation of day-old broiler chickens against Newcastle disease.
VACCINE G2469
Indications: Newcastle Disease. –Poultry. 500ml (5 000 doses)
Dosage: Day old chicks: 0,1ml im/sc.
W/T: Meat 42 days.
See also IDR page 577

NOBILIS® NEWCAVAC, Intervet SA (MSD Animal Health)
Contains ≥50 PD₅₀ units of the inactivated Newcastle disease virus Clone 30/0,5ml.
VACCINE G2757
Indications: Booster vacc. of primed layers and breeding chickens for protection against Newcastle disease. –Poultry. 1 000 doses
Dosage: Use vacc. at room temp. Primed chickens: Vacc. with 0,5ml im in breast muscle or sc in the lower part of the neck at 16-20 weeks but not less than 4 weeks before the expected onset of lay. For an optimal

booster effect, the chickens must be primed with live vacc. against Newcastle disease.
W/T: Meat 6 weeks.
P/I: Vacc. of chickens in production may lead to a slight decrease in egg production. Use entire contents when opened.
See also IDR page 580

NOBILIS® REO + IB + G + ND, Intervet SA (MSD Animal Health)
Immunogenic virus strains of Infectious Bronchitis (Massachusetts serotype), NDV (Clone 30), Reo (1733 & 2408) and IBD (D78).
VACCINE G2564
Indications: Infectious bronchitis, Newcastle disease, Reovirus infection, Gumboro. –Poultry. 500ml (1 000 doses)
Dosage: 0,5ml im/sc at 16-20 weeks of age, not less than 4 weeks before onset of lay.
W/T: Meat 42 days.
P/I: Admin. 6+ weeks after live primer.
See also IDR page 581

NOBILIS® REO INAC, Intervet SA (MSD Animal Health)
2 immunogenic strains of Reovirus (1733 & 2408).
VACCINE G2577.
Indications: Avian Reovirus infections. –Poultry. 500ml (1 000 doses)
Dosage: 0,5ml im/sc at 16-20 weeks of age, not less than 4 weeks before onset of lay.
W/T: Meat 6 weeks.
See also IDR page 582

NOBILIS® RT+IB MULTI+G+ND, Intervet SA (MSD Animal Health)
Inactivated ART strain But 1#8544, inactivated IBV strain M41 (Massachusetts), inactivated IBV strain 249G (D274/D207), inactivated IBDV strain D78, inactivated NDV strain Clone 30/0,5ml dose.
VACCINE G4428
Indications: Active immunisation of future breeder and layer chickens for: reduction of infection and prevention of EDS caused by the Massachusetts M41 serotype of IB virus; reduction of egg drop and egg shell defects caused by the serotype 249G (D274/D207) of IBV; reduction of infection caused by NDV, prevention of respiratory signs and reduction of egg drop and egg shell defects related to ART, passive immunisation of the progeny of the vacc. birds against IBD for at least the first 4 weeks of life. For IB, Newcastle and ARV. Duration of immunity: 1 laying period. –Poultry. 500, 1 000 doses
Dosage: 0,5ml vacc./bird im in the thigh or chest muscle.
W/T: Meat 21 days.
C/I: Do not use during lay or within 4 weeks before the onset of lay. Do not admin. with other medication.
See also IDR page 585

NOBILIS® RT INAC, Intervet SA (MSD Animal Health)
Inactivated vacc. for the protection of turkeys and chickens against disease caused by avian rhinotracheitis virus.

VACCINE G2850
Indications: An immunogenic strain of avian rhinotracheitis virus (ARTV). The virus has been inactivated and is suspended in the water phase of an oil adjuvant emulsion. Active immunisation of breeder and layer stocks of chickens and breeder stocks of turkeys to reduce mortality and clinical signs (including drop in egg production) induced by infection with ARV. –Poultry.

1 000 doses
Dosage: 0,5ml im in the thigh or breast muscle or sc into the lower part of the neck. Turkeys: Admin. at 28 weeks of age. Chickens: Admin. at 14-20 weeks of age. For optimal booster effect: Prime birds with live vacc. against ART.

C/I: Do not admin. less than 4 weeks before onset of lay. Do not mix with other vacc.

See also IDR page 585

SALMIN PLUS, Phibro
Inactivated *S. Enteritidis* strain PT C8 and PT B3, *S. Typhimurium* strain PT 2(4+) and *S. Infantis* strain # 122798 in a water-in-oil emulsion.

VACCINE G4324
Indications: For active immunisation of replacement pullets, layer breeders and broiler breeders to reduce mortality, clinical signs and lesions associated with infection by virulent strains of *Salmonella*. 2 000 dose

Dosage: Inject 0,3ml/fowl im into the breast muscle. See literature for dosage programme.

W/T: Meat 21 days.
C/I: Do not use in breeder or layer chickens in production or later than 6 weeks before the onset of lay.

See also IDR page 674

SALMONELLA PVI, Afrivet
Inactivated *Salmonella* Typhimurium/*Salmonella* enteritidis/*Salmonella* gallinarum $\geq 2,5 \times 10^8$ and oil adjuvant.

VACCINE G4405
Indications: For the active immunisation of chickens against Salmonellosis in commercial and breeder birds. Recommended as a prelay and midlay vacc. 200ml (400 doses), 500ml (1 000 doses)
Dosage: 0,5ml sc at the point midway between the bird's head and base of the neck under the loose skin fold, or im in breast muscle.

W/T: P: Meat 21 days.

See also IDR page 48

VOLVAC® AC PLUS VACCINE, Boehringer
Inactivated *Avibacterium paragallinarum* A, B and C.

VACCINE G4264
Indications: Immunisation of healthy broilers and primed layer and breeder replacement pullets against infectious coryza. –Poultry. 500ml (1 000 doses)
Dosage: 0,5ml per bird sc into the back middle third of the neck. The 1st dose is given before 10 weeks of age and the 2nd dose 3-4 weeks before the onset of lay. See literature.

W/T: Meat and offal 21 days.

See also IDR page 166

VOLVAC® AC PLUS + ND + IB + EDS KV, Boehringer
Inactivated *Avibacterium paragallinarum* A, B and C, Newcastle disease virus La Sota strain, Infectious bronchitis virus Massachusetts 41 strain, Egg drop syndrome virus 127 McFarran strain.

VACCINE G4017
Indications: Emulsified inactivated oil vaccine for the immunisation of healthy primed layer and breeder fowls against infectious coryza, Newcastle disease, Infectious Bronchitis and Egg Drop Syndrome –Poultry. 500ml (1 000 doses).

Dosage: 0,5ml per bird sc into the back middle third of the neck. Admin. to fowls around 14-17 weeks of age, but not less than 4 weeks prior to the expected onset of lay. For an optimal booster effect, the fowls must be primed with a live vacc. against Newcastle disease and Infectious Bronchitis.

W/T: Meat 42 days.

See also IDR page 167

19.7. Other species

19.7.1. Live vaccines

ANTHRAX SPORE VACCINE, OBP
Glycerine susp. of avirulent *Bacillus anthracis*. **VACCINE G112**

Indications: *Anthrax*. –B, E, Mules, Donkeys, O, Cap, P, Camels. (3 x 10) 100ml

Dosage: Inoculate yearly. 1ml sc.

W/T: Meat 14 days.

P/I: Rest work animals for 7-10 days.

MEDIPOX, Medpet
Pigeon pox virus isolate 16-0101. **VACCINE G3045**
Indications: Prevention of pigeon pox in pigeons 5 weeks or older. –Pigeons. 100 doses

Dosage: Vacc. breeding pigeons at least 2 weeks before the breeding season commences, by skin scarification on the breast or by the feather follicle method on the leg. Youngsters should be vacc. at 5 weeks of age or soon thereafter. Vacc. annually.
P/I: Do not use with any other vacc. Vacc. only healthy pigeons.

19.7.2. Inactivated vaccines

ICTHIOVAC LG, Hipra SA
Per dose (0,1 ml): *Lactococcus garvieae* inactivated, strain TW-446.B3: RPS >75%.

VACCINE G4455
Indications: Immunisation of rainbow trout to reduce mortality caused by infection with *Lactococcus garvieae*. –Fish. 5 000 doses
Dosage: Single-dose admin. Rainbow trout: Only vacc. from 20g bm. Admin. by intraperitoneal injection with 1 dose of 0,1ml/fish.

C/I: Do not vacc. if the water temperature is below 10°C.

See also IDR page 366

STRUVAC ND PLUS, Deltamune
An oil-emulsion of inactivated Newcastle Disease virus. Contains at least 10⁹ EID₅₀ (before inactivation) of a lentogenic La Sota virus strain/ml.

VACCINE G3549
Indications: Immunisation against Newcastle Disease. –Ostriches. 100ml

Dosage: Prime ostriches with an approved live/apathogenic lentogenic Newcastle Disease vacc. about 4 weeks earlier. Inject 1ml sc at the back of the neck of ostriches older than 3 months.

W/T: Meat 6 weeks.

See also IDR page 253

19.8. Other biologicals

AVIAN TUBERCULIN PPD, Intervet SA (MSD Animal Health)

A PPD of *Mycobacterium avium* strain D4 cultures.

INJECTION G3754
Indications: Test allergen for the completion of the comparative test for TB in bovines and other domestic animals. –B, Can, F. 20, 18 doses

Dosage: See literature.
Evaluation: See literature.
W/T: 0 days.

See also IDR page 470

BI-AVIREM, Biorem
Lactobacillus casei, *Lb. coryniformis*, *Lb. curvatus*, *Lb. sake*, *Lb. acidophilus*, *Enterococcus faecium*, *Leuconostoc* spp. **POWDER V13585**

Indications: Stabilises micro-organisms in the digestive tract of growing and adult birds. Stress conditions. Replacement therapy after antibiotics. –Pigeons, Fancy birds. 50 (200)g

Dosage: Sprinkle 1g/day/bird on feed or mix 10g/10kg feed. Treat daily.

P/I: Do not use with antibiotics.

BI-AVISIN, Biorem
Lactobacillus casei, *Lb. coryniformis*, *Lb. curvatus*, *Lb. sake*, *Lb. acidophilus*, *Streptococcus faecium*, *Leuconostoc* spp. **LIQUID V13118**

Indications: Stabilises the micro-organisms in the digestive tract of growing and adult birds. Replacement therapy after antibiotics. Stress conditions. –Pigeons, Fancy birds. 500ml (1L)
Dosage: 1ml/bird in drinking water or orally. Treat every 2nd day. Smaller birds: 0,5ml/bird.

P/I: Do not use with antibiotics.

BI-OSTROSIN, Biorem
Combination of 28 subspecies of lactobacilli together with other lactic acid producing bacteria 1 x 10⁸ live bacteria/ml.

LIQUID V12928
Indications: Probiotic. –Poultry, Ostriches. 1L

Dosage: Poultry, Ostrich chicks: 1ml/chick/day in drinking water, every 2nd week for 7 days. Ostriches: 25-49kg bm: 5ml. 50kg bm+: 10ml.

BIOREM, Biorem
Dried lactobacilli 13 million/g. **POWDER G958**
Indications: Non-specific and nutritional diarrhoea caused by *E. coli*, and for replacement therapy after antibiotic treatment. –B, O. (100) 500g (2kg)
Dosage: Calves: 4g. Lambs: 1g.

BIOREM-PLUS, Biorem
Combination of 28 subspecies of lactobacilli together with other lactic acid producing bacteria 5,7 x 10⁸ live bacteria/g, bioflavonoid 85,7g/kg.

POWDER V12927
Indications: Probiotic and bioflavonoids. –Poultry, Ostriches. 1 (5)kg

Dosage: 2kg/ton feed. Poultry, Ostrich chicks: 1g/day/bird over feed. Ostriches: 5-10g/day/bird over feed.

BIOSIN, Biorem
Lactobacilli 10 million/ml. **LIQUID G1114**

Indications: Non-specific and stress-induced diarrhoea in calves, lambs and kids. Replacement therapy after antibiotic treatment. –B, O, Cap. 1 (5)L.
Dosage: Calves: 30ml. Lambs, kids: 10ml.

BIOTIZER, V-Tech
Lactobacillus acidophilus, *L. bifidum* bacteria extract. **LIQUID V13593**
Indications: Conditioning of horses, gastrointestinal disorders. –E. 500ml, 5L

Dosage: 15-20ml daily with main feed.

See also IDR page 778

★ CYTOPOINT, Zoetis
Lokivetmab 10mg, 20mg, 30mg, 40mg. **(S4) INJECTION 17/24.5/15/16/17/18.**
Indications: Treatment of clinical manifestations of atopic dermatitis in dogs. –Can. 2 vials

Dosage: The recommended min. dose is 1mg/kg bm, once a month. Sc use. For use in dogs only. Admin. the entire contents (1ml) of the vial. See approved label for full instructions for use.

C/I: Do not use in dogs <3 kg bm. Do not use during pregnancy, lactation or in breeding animals.

See also IDR page 808

ENTERO-PLUS, Medpet
1x10⁷ colony forming units (CFU) (min.) of dried fermentation products of the avian strain of *Lactobacillus casei*, *L. ferment*, *L. plantarum*, *L. acidophilus* and *Streptococcus faecium*. 100mg pure Beta 1-3 Glucan/kg. **POWDER V16681**

Indications: Aid in the prevention of intestinal diseases of birds and pigeons. –Birds, Pigeons. 500mg

Dosage: Admin. via food or drinking water. 5g/1L water or 5g mixed into a kg of food. Continue for as long as symptoms persist, and for 2 days thereafter. Mix solution daily.

★ LIBRELA, Zoetis
Bedinvetmab 5mg/ml, 10mg/ml, 15mg/ml, 20mg/ml, 30mg/ml. Solution for injection for dogs. Bedinvetmab* is a canine monoclonal antibody expressed through recombinant techniques in Chinese hamster ovary (CHO) cells/ml.

(S4) INJECTION 22/24.5/02-06
Indications: For the alleviation of pain associated with osteoarthritis in dogs. –Can. 2 vials of 1ml.

Dosage: The recommended dose is 0,5-1,0mg/kg bm, once a month. Dogs weighing <5,0kg: Aseptically withdraw 0,1ml/kg from a single 5mg/ml vial and admin. sc. For dogs between 5 and 60kg admin. the entire content of the vial (1ml). For dogs >60kg: the contents of more than 1 vial are required to admin. a single dose. Withdraw the content from each required vial into the same syringe and admin. as a single sc injection (2ml). Once opened, contents of the vial should be used immediately, and any remaining solution should be disposed of.
C/I: Do not use in cases of hypersensitivity to the active substance or to any of the excipients. Do not use in dogs under 12 months of age. Do not use in animals intended for breeding purposes. Do not use in pregnant or lactating animals. Do not mix with any other veterinary medicinal product.

P/I: Store at or below 2-8°C. Transport refrigerated at between 2-8°C. Do not freeze.

ONCEPT™ CANINE MELANOMA VACCINE, DNA, Boehringer
Only for use by a veterinarian in terms of Section 23 (1) (c) of the Veterinary and Para-Veterinary Professions Act, 1982 (Act 19 of 1982). Purified pINGhT plasmid which contains human tyrosinase gene $\geq 100\mu\text{g}$ of purified pINGhT DNA, with $\geq 92,7\mu\text{g}$ being in the supercoiled isoform/dose.

VACCINE G4139
Indications: Induces an immune response against tyrosinase. It aids in extending survival times of dogs with stage II or stage III oral melanoma and for which local disease control has been achieved (negative local lymph nodes or positive lymph nodes that were surgically removed or irradiated). 4 x 1-dose. –Can.

Dosage: Use entire contents when first opened. Admin. 0,4ml into the muscle of the medial thigh just caudal to the femur using the Vet Jet® Transdermal Vaccination System. Refer to literature for instructions on vaccinating with the device. The site of injection for all-size dogs' initial treatment requires admin. of 4 doses at 2-week intervals. Admin. booster dose at 6-month intervals.
P/I: Do not drink, eat or smoke while handling the product. A transient low-grade fever may be observed in some dogs. See literature.

See also IDR page 147

PRO-LYTE WITH GLUTAMINE, Kyron Labs
Potassium chloride 0,15% sodium chloride 0,2% sodium citrate 0,25% glucose 2,7% glutamine 0,4% Protexin® probiotic 1,2 x 10⁷ CFU/ml when diluted with 50 ml water.

POWDER V23194
Indications: Fluid, electrolyte and probiotic replacement following diarrhoea. 20 (80)g

Dosage: Mix 1 sachet (20g) with 500ml water (or 1 x 80g sachets with 2L water) and give to animals as only source of fluid while under treatment. Discard after one day and prepare a fresh mixture.

See also IDR page 403

PROTEXIN® CONCENTRATE, Kyron Labs
Lactobacillus plantarum PXN® 47™, *Lactobacillus delbrueckii* ssp. bulgaricus PXN® 39™, *Lactobacillus helveticus* PXN® 35™, *Lactobacillus rhamnosus* PXN 54™, *Bifidobacterium bifidum* PXN® 23™, *Streptococcus Salivarius* ssp. *thermophilus* PXN® 66™, *Enterococcus faecium* PXN® 33™, Dextrose monohydrate 97%, microbial content 3%. **POWDER V29924**
Indications: A multi-strain concentrate to manage effects of stress on the gut. Post-antibiotic use to normalise gut flora or to

supplement the sterile gut when hand-rearing animals. –B, O, Cap, P, Poultry. 1kg
Dosage: Admin. in feed or water. See literature for exact dosage.
See also IDR page 403

PROTEXIN® PREMIUM, Kyron Labs
Enzymes: Xylanase, beta glucanase. Yeast: *Candida pintolopesii*, *Saccharomyces cer*. Micro-organisms: *Lactobacillus plantarum*, *L. delbrueckii* subsp. *bulgaricus*, *L. helveticus*, *L. rhamnosus*, *Bifidobacterium bifidum*, *Streptococcus salvarius* subsp. *thermophilus*, *Enterococcus faecium*. Total viable count not <2 x 10⁸ CFU/g
POWDER G2634
Indications: Treatment of diarrhoea, improves health and fibre digestion, overall good health. –E. 300g (1kg)
Dosage: Horses: 10g/day. Foals, ponies: 3g/day. In stress situations: 20g/day. See literature.
See also IDR page 403

PROTEXIN® SOLUBLE, Kyron Labs
Live heat and acid-resist. organisms: Bacteria: *Lactobacillus plantarum*, *L. delbrueckii* subsp., *bulgaricus*, *L. helveticus*, *L. rhamnosus*, *Bifidobacterium bifidum*, *Streptococcus salvarius* subsp., *Thermophilus*, *Enterococcus faecium*. Total viable count not <2 x 10⁸ CFU/g.
POWDER G1265
Indications: Scours (non-specific/dietary origin). Restores gut microflora. –All species. 60 (250;500)g (1kg)
Dosage: Calves: 2g/day for 3 days, 1g/day thereafter. Weaned calves, adult cattle: 4g/day. Lambs: 1g/day. Foals, ponies: 5g/day. Adult horses: 10g/day. Piglets, weaners: 2g/day for 5 days. Chicks, broilers: 5g/L/day. Older birds: 10g/L/day. Can, F: 2g/animal/day.
See also IDR page 404

20. PRODUCTION ENHANCERS

20.1. Antimicrobials

ALBAC® 150, Huvepharma
Zinc bacitracin 150g/kg.
PREMIX G0066
Indications: Recommended for use in sheep, calves, beef cattle, broilers, turkeys, and pigs to improve feed efficiency and mass gain. For use in layers to increase egg production. –B, O, P, Poultry. 25kg
Dosage: Feed continuously up to the following levels of inclusion: Sheep, beef cattle, turkeys: 333g/ton feed. Calves, broilers, layers, pigs: 667g/ton feed.
W/T: 0 days.
See also IDR page 373

ANIBAN®, Animate AH
Monensin sodium 200g/kg.
PREMIX G4150
Indications: For prevention of coccidiosis in broilers and replacement pullets (up to 16 weeks of age), and turkeys (up to 16 weeks of age) caused by different *Eimeria* species. For stimulation of weight gain rate and improvement feed conversion efficiency in ruminants with developed fore-stomach fed in confined areas for slaughter (feedlot cattle, calves, lambs and weaned lambs). Prevention of ketosis in dairy cows. Improved milk production in dairy cows. –B, O, Poultry. 25kg
Dosage: Broiler and replacement pullets (up to 16 weeks of age): 450-550g/ton feed. Cattle on pastures or in dry lot: 25-400g/ton feed. Feedlot cattle: 25-150g/ton feed. Increased production in dairy cows: 150-450mg monensin/head/day. Dairy cows with signs of ketosis: 1,25g Combicox/cow/day from 12th-15th day prior to calving in the course of 35 days. Lambs: 50-150g/ton feed. See literature for full regimen.
C/I: Laying hens, turkeys (over 16 weeks of age) water fowls, guinea fowls, horses, other equines and rhinoceros.
W/T: All species 0 days.
P/I: Do not mix with tiamulin or oleandomycin.
See also IDR page 74

AVENSIN 40, Phibro
Monensin sodium 40% m/m.
PREMIX G4458
Indications: Used in feed for the prevention of coccidiosis in broiler chickens and replacement pullets (up to 16 weeks of age) caused by different *Emeria* species. It improves the rate of weight gain in pasture cattle, replacement heifers (beef and dairy) and improves feed conversion efficiency in feedlot cattle and calves. For prevention of ketosis in dairy cows. For improved milk production in dairy cows. –B, Poultry. 25kg
Dosage: Poultry 250g/ton feed for up to 16 weeks of age. Feedlot cattle 10-33mg/head/day. Cattle on pasture 50-200mg/head/day. Dairy cows: Thoroughly mix into the TMD to provide between 10 and 20mg Avensin 40 per kg TMD (based on a 90% dry matter basis). Feed Avensin 40 containing dairy meal to provide 150-450mg Monensin/cow/day starting 3-4 weeks prior to calving to reduce the incidence of ketosis. Pasture cattle and replacement heifers: Feed between 50-200mg Monensin/head/day in not less than 500g of supplement. See literature.
W/T: Meat and milk 0 days.
C/I: Do not feed to horses or other equines – may be fatal. Do not feed to laying hens (over 16 weeks), guinea fowls other game or water fowls. Poultry consuming Monensin should not be treated with products containing tiamulin or troleandomycin. Serious growth

depression may occur. Do not exceed the levels of Monensin recommended in the feeding directions as reduced average daily gains may result.
See also IDR page
BAMBERMYCIN 4 %, Super Agri
Bambermycin 40g/kg.
PREMIX G2473
Indications: Antibiotic feed additive for increased weight gain and improved feed efficiency. –B, P, Poultry. 25kg
Dosage: Thoroughly mix with feed. See literature for dosage rate.
W/T: Broilers: Meat 0 days.

BOVATEC® 15 %, Zoetis
Previously known as Taurotec® Premix. Lasalocid sodium 150g/kg.
PREMIX G0454
Indications: Use in beef cattle and replacement beef and dairy heifers to improve feed efficiency and live mass gain. Use in dairy cows to improve feed efficiency and milk yield. Use in cattle, sheep and goats for prevention of coccidiosis. Use in sheep and goats to improve feed efficiency and live mass gain. –B, O, Cap.
Dosage: Pasture cattle and replacement beef and dairy heifers: Feed continuously at a rate of 1mg/kg of bm/day up to a max. of 200mg/head/day. Complete feeds, concentrate and finisher feeds: Beef cattle: 100-133g/ton feed. Dairy cows: 26-133g/ton feed. O, Cap: 100-133g/ton feed. See literature.
C/I: Do not feed to equines.
See also IDR page 786

BOVATEC® LIQUID 20, Zoetis
Previously known as Taurotec® Liquid Premix. Instavet Lasalocid sodium 200g/kg.
LIQUID PREMIX G3064
Indications: For use in growing cattle and feed lot cattle for improved live weight gain and feed conversion efficiency For the control of the clinical signs of coccidiosis. –B, O. 22,68kg drum
Dosage: See literature.
W/T: 0 days.
C/I: For ruminants only. Do not feed to equines.
See also IDR page 786

CEVA OLAQUINDOX 10% PREMIX, Ceva AH
Olaquindox 100g/kg.
POWDER G1042
Indications: Growth promoter for pigs and broilers. Prevents dysentery. –P, Poultry. 25kg
Dosage: Broilers: 100-200g/ton. Pigs: 250-1 000g/ton.
C/I: Not for horses.
W/T: Meat 2 days.
See also IDR page 186

CEVA SALINOMYCIN 12%, Ceva AH
Salinomycin 12% m/m.
PREMIX G2500
Indications: O, broilers: Coccidiostat. B, Cap, O, P: Growth promotor. –B, Cap, O, P, Poultry. 25kg
Dosage: Broilers: 500g/ton. B: 167g/ton. Cap, O: 125-167g/ton. P: 415-750g/ton.
C/I: Not for E, dairy cows, laying hens, turkeys.
W/T: 5 days.
See also IDR page 186

CEVA ZINC BACITRACIN 15% FEED SUPPLEMENT, Ceva AH
Zinc bacitracin 15%.
FEED SUPPLEMENT POWDER G1070
Indications: Antibiotic performance promoter in calves, lambs, pigs and poultry. –B, O, P, Poultry. 25kg
Dosage: Calves, lambs: 330g/ton. Piglets-creep: 500g/ton. Baconers: 100g/ton. Broilers/pullets: 100g/ton. Turkeys 250g/ton.
See also IDR page 187

COXIBAN, Animate AH
Salinomycin 12% m/m.
PREMIX G4166
Indications: Prevention of coccidiosis in broilers and replacement pullets (maximum 12 weeks of age). Improves mass gain and feed conversion in ruminants and prevents coccidiosis. An aid for improved feed conversion and the promotion of growth in pigs. –B, O, Cap, P, Poultry. 25kg
Dosage: Broilers: 500g/ton feed B: 167g/ton feed. O, Cap: 125-167g/ton feed. P: Creep rations: 750g/ton feed. Growing pigs: 415g/ton feed. See literature for full regimen.
W/T: Pigs: Meat 3 days. Poultry, B, O, Cap: Meat 0 days.
C/I: Turkeys, dairy cows, horses, other equines and rhinoceros.
P/I: Do not mix with tiamulin.
See also IDR page 75

COXISTAC G 12 %, Phibro
Salinomycin 120g/kg.
PREMIX G3120
Indications: Poultry: Prevention of coccidiosis caused by *Eimeria acervulina*, *E. brunetti*, *E. maxima*, *E. mivati*, *E. necatrix* and *E. tenella* in broiler chickens and replacement pullets. B, P: For enhancing productivity and improving feed efficiency of grower/finisher pigs and feedlot cattle. –Poultry, B, P. 25kg
Dosage: Poultry: 0,5kg/ton (60ppm) of finished feed. Cattle: 167g/1 000kg (20ppm) of finished feed. Finisher pigs: 210g/1 000kg (25ppm) of finished feed. Grower pigs: 420g/1 000kg (50ppm) of finished feed.
W/T: Meat B, P, 5 days. Broiler 0 days. Onset of egg production 7 days.

P/I: Do not feed to horses, other equines or turkeys, dogs or dairy cows. Do not feed in conjunction with tiamulin or troleandomycin.
See also IDR page 670

COXISTAC G 24 %, Phibro
Salinomycin 240g/kg.
PREMIX G4446
Indications: Prevention of coccidiosis caused by *Eimeria acervulina*, *E. brunetti*, *E. maxima*, *E. mivati*, *E. necatrix* and *E. tenella* in broiler chickens and replacement pullets. For enhancing productivity and improving feed efficiency of grower/finisher pigs and feedlot cattle. –Poultry, B, P. 25kg
Dosage: Poultry: 250g/ton (60ppm) final feed. P: 105-210g/ton final feed. B: 83,5g/ton final feed. See literature.
W/T: B, P; Meat 5 days. Broiler: 0 days. Onset of egg production 7 days.
P/I: Do not feed to horses, other equines or turkeys, dogs or dairy cows. Do not feed in conjunction with tiamulin or troleandomycin.
See also IDR page 671

FLAVO-8, Animate AH
Flavophospholipol 8g/kg.
PREMIX G4151
Indications: A feed additive to be used exclusively as a growth stimulant, and for the improvement of the feed conversion rate in farm animals. Assists in restoring sensitivity of multi-drug resistant *Salmonella* Typhimurium and *Escherichia coli* in farm animals. –B, Cap, O, P, Poultry. 25kg
Dosage: See literature for full regimen.
See also IDR page 75

FLAVO-80, Animate AH
Flavophospholipol 80g/kg.
PREMIX G4149
Indications: A feed additive to be used exclusively as a growth stimulant, and for the improvement of the feed conversion rate in farm animals. Assists in restoring sensitivity of multi-drug resistant *Salmonella* Typhimurium and *Escherichia coli* in farm animals. –B, Cap, O, P, Poultry. 25kg
Dosage: See literature for full regimen.
See also IDR page 76

FLAVOMYCIN® 0,8 %, Huvepharma
Flavophospholipol 8g/kg.
PREMIX G1203
Indications: A feed additive to be used as a growth stimulant and for the improvement of the feed conversion rate in farm animals, fish and shrimps. –B, O, Cap, P, Poultry, Fish, Shrimps. 25kg
Dosage: See literature for full regimen.
W/T: 0 days.
See also IDR page 378

FLAVOMYCIN® 8 %, Huvepharma
Flavophospholipol 80g/kg.
PREMIX G3680
Indications: A feed additive to be used as a growth stimulant and for the improvement of the feed conversion rate in farm animals, fish and shrimps. –B, O, Cap, P, Poultry, Fish, Shrimps. 25kg
Dosage: See literature for full regimen.
W/T: 0 days.
See also IDR page 379

KITASAMYCIN 10 %, Super Agri
Kitasamycin 10% m/m.
PREMIX G1905
Indications: P, Poultry: Growth promotion. P: Improvement of weight gain and feed efficiency in the presence of swine, enzootic pneumonia, and the prevention and treatment of swine dysentery. Poultry: Prevention and treatment of mycoplasmosis (CRD). –P, Poultry. 25kg
Dosage: Broilers, layers, and breeders: Growth promotion and feed efficiency: 55-110g/ton feed continuously. Prevention of CRD: 1100-2200g/ton feed for 5-7 days from day old and again for 5-7 days at 3-4 weeks old. Treatment of CRD: 2200-5500g/ton feed for 5-7 days. P: Growth promotion and improved feed efficacy: Under 2 months: 55-1000g/ton feed continuously. 2-4 months: 55-550g/ton feed continuously. Over 4 months: 55-200g/ton feed continuously. Swine dysentery prevention: 440-880g/ton feed continuously. Treatment: 660g-1kg/ton feed for 2-6 weeks.
W/T: Meat 0 days.

MONOTEC® 200, Huvepharma
Monensin sodium 200g/kg.
PREMIX G3816
Indications: For the stimulation of weight gain rate and improvement feed conversion efficiency in ruminants with developed fore-stomach fed in confined areas for slaughter. For the prevention of ketosis in dairy cows. –B, O, Cap. 25kg
Dosage: Feedlot cattle: 25-150g to secure the desired monensin concentration per ton feed: 50-300mg monensin/head/day. Cows with signs of subclinical ketosis: 1,25g/cow/day (divided into 2 equal parts, admin. morning and evening) from the 12th to the 15th day prior to calving in the course of 35 days.
W/T: 0 days.
See also IDR page 383

POULCOX® 20 %, Huvepharma
Monensin sodium 200g/kg.
PREMIX G3484
Indications: Broilers, fowls reared for laying up to 16 weeks of age: Prevention of coccidiosis. –Poultry, B. 25kg

Dosage: Broiler and fowls reared for laying up to 16 weeks of age: 500-600g/ton feed.
C/I: Laying poultry, horses, other equine and rhinoceros.
W/T: All species: 0 days.
P/I: Do not mix with tiamulin or oleandomycin.
See also IDR page 388

PROMOTE®, Virbac
Tylosin 10% m/m.
PREMIX G1247
Indications: Improve mass gain and feed efficiency. –P, Poultry.
25kg
Dosage: P: 200-300g/ton feed.
Poultry: Layers: 220-550g/ton feed.
Broilers: 50g/ton feed.
See also IDR page 751

RUMECOX, Animate AH
Monensin sodium 200g/kg.
PREMIX G4152
Indications: Broilers, replacement pullets and turkeys (up to 16 weeks of age): Prevention of coccidiosis. B, calves, lambs: Stimulation of weight gain rate and improvement feed conversion efficiency. Dairy cows: Prevention of ketosis, improved milk production. –B, O, Poultry.
25kg
Dosage: Broiler and replacement pullets (up to 16 weeks of age): 450-550g/ton feed. Cattle on pastures or in dry lot: 25-400g/ton feed. Feedlot cattle: 25-150g/ton feed. Increased production in dairy cows: 150-450mg monensin/head/day. Dairy cows with signs of ketosis: 1,25g Combicox/cow/ day from 12th-15th day prior to calving in the course of 35 days. Lambs: 50-150g/ton feed. See literature for full regimen.
C/I: Laying hens, turkeys (over 16 weeks of age) water fowls, guinea fowls, horses, other equines and rhinoceros.
W/T: All species 0 days.
P/I: Do not mix with tiamulin, erythromycin, oleandomycin or sulphas.
See also IDR page 77

RUMENSIN 200, Elanco AH
Sodium monensin 200g/kg.
PREMIX G1818
Indications: B: Improved feed efficiency, mass gain, milk production, reduced severity in ketosis, coccidiostat. Cap, O: Improved feed efficiency, coccidiostat. –B, Cap, O.
25kg
Dosage: Beef: 50-300mg monensin/head/ day. Dairy: 150-450mg monensin/head/day. B: Prevention of coccidiosis: 10-33ppm/kg feed. O: 11-22g/ton feed. Cap: 15-22g/ton feed. See literature.
C/I: Do not feed to equines.
See also IDR page 338

SACOX® 120, Huvepharma
Salinomycin sodium 120g/kg.
PREMIX G574.

Indications: Broilers: Prevention of coccidiosis. O: Prevents coccidiosis. Rabbits: Prevents intestinal and hepatic coccidiosis. B, O, Cap: Improve mass gain and feed conversion. P: Improved feed conversion and growth promotion. –B, O, Cap, P, Poultry, Rabbits.
25kg
Dosage: O, Cap: 125-167g/ton feed. Rabbits: 250g/ton feed. B: 167g/ton feed. P: 415g/ton feed for growing pigs; 750g/ton feed for suckling pigs. Broilers: 500g/ton feed.
W/T: Pigs: Meat 3 days. Poultry, B, O, Cap: 0 days.
C/I: Turkeys, dairy cows, horses, other equines and rhinoceros.
P/I: Do not mix with tiamulin (tiamutin or dynamitilin).
See also IDR page 389

SURMAX 100, Elanco AH
Avilamycin 10% m/m.
PREMIX G0930
Indications: Improves rate of mass gain and feed efficiency of broilers and pigs. Improves feed efficiency in layers. Poultry: prevention and control of necrotic enteritis caused by *Clostridium perfringens*. Pigs: Aids in prevention and control of post weaning scours (diarrhoea) associated with *E. coli*. –P, Poultry.
25kg
Dosage: P: Starter 400g/ton feed. Grower/finisher: 200-400g/ton feed. Broilers/layers: 50-150g/ton feed.
See also IDR page 344

TYLAN 100, Elanco AH
Tylosin 10% m/m.
PREMIX G0546
Indications: B: Prevents liver abscess in beef. P: Prevents and controls porcine proliferative enteropathies associated with *Lawsonia intracellularis*. Layers: *Mycoplasma gallisepticum* positive flocks. –B, P, Poultry.
100g/kg, 25kg
Dosage: P: Prevention/control of proliferative enteropathies: Creep: 400g/ton feed. Grower: 200-400g/ton feed. Finisher: 200g/ton feed. B: 100g/ton feed (10ppm tylosin or mix to provide 100mg tylosin/head/day). Layers: 500g/ton feed.
See also IDR page 348

TYLECO FG 100, ECO (Afrivet)
Tylosin phosphate 10% m/m/kg.
PREMIX G2152
Indications: Improved growth rate/feed conversion. –B, P, Poultry.
25kg
Dosage: See literature.
W/T: P: Meat 15 days. Poultry: Meat 3 days. B: No withdrawal period.
See also IDR page 52

TYLOSIN 10 %, Super Agri
Tylosin 100g/kg.
PREMIX G 2768

Indications: Antibiotic premix to stimulate growth and improve feed conversion. –B, P, Poultry.
25kg
Dosage: Thoroughly mix with feed. See literature for dosage rate.
W/T: Broilers: Meat 0 days.

TYLO-TEN, Animate AH
Tylosin phosphate 100g/kg.
PREMIX G4165
Indications: For use in feed of pigs, layer birds, broilers and beef cattle for the prevention and treatment of infections caused by tylosin-sensitive pathogenic microorganisms. Chickens: As an aid in the control of mycoplasmosis; for improved rate of mass gain and feed efficiency in broilers; for increased egg production and feed efficiency in layers; as an aid in the control of dysbacteriosis/enteritis caused by *Clostridium perfringens*. Pigs: For improved rate of mass gain and feed efficiency; an aid in the control of proliferative enteropathies (Ileitis) associated with *Lawsonia intracellularis*. Cattle: For the prevention of liver abscesses (caused by *Fusobacterium necrophorum* and *Trueperella pyogenes*) in calves for fattening; for improved rate of mass gain and feed efficiency. –B, P, Poultry.
20kg
Dosage: See literature for full regimen.
C/I: Do not use in dairy cattle from which the milk is intended for human consumption or technological processing. Do not use Tylosin in feed containing bentonite.
W/T: Meat 0 days. Eggs 0 days.
P/I: When used in pig feed, oedema of the rectal mucosa and mild anal protrusion with pruritis, erythema and diarrhoea may occur.
See also IDR page 79

TYLOVET® 10 %, Huvepharma
Tylosin phosphate 100g/kg.
PREMIX G3770
Indications: B, P, Calves, Broilers: Improved rate of mass gain and feed efficiency. Layers: Increased egg production and feed efficiency. Calves: Prevention of liver abscesses caused by *Fusobacterium necrophorum* and *Arcanobacterium pyogenes*. Poultry: Control of mycosplasmosis. –B, P, Poultry.
20kg
Dosage: P: Improved mass gain and feed efficiency 200-400g/ton feed. B: Improved mass gain and feed efficiency and prevention of liver abscesses: 80-100g/ton feed continuously. Broilers: Improved mass gain and feed efficiency 50g/ton feed. Poultry: Prevention of mycoplasmosis: 220-500g/ton feed. Layers: Improved feed efficiency and increased egg production 220-500g/ton feed.
W/T: Poultry: Meat 1 day. B, P: Meat 0 days. Layers: Eggs 0 days.
C/I: Do not use in dairy cattle where the milk is intended for human consumption or

technological processing. Do not use in feed containing bentonite.
P/I: When used in pig feed, oedema of the rectal mucosa and mild anal protrusion with pruritis, erythema and diarrhoea may occur.
See also IDR page 394

ZINC BACITRACIN 15 % GRANULAR, Animate AH
Zinc Bacitracin 150g/kg.
PREMIX G3318
Indication: O, Calves, B, Broilers, Turkeys, P: Improved feed efficiency and mass gain. Layers: Increased egg production. –B, O, P, Poultry.
25kg
Dosage: O, B, Turkeys: 67-333g/ton feed. Calves, broilers, P: 67-667g/ton feed. Layers: 134-667g/ton feed.
See also IDR page 80

20.2. Hormones

20.2.1. Sex hormones

COMPONENT® TE 140/28 + TYLAN®, Elanco AH
Trenbolone acetate 140mg, oestradiol 28mg, tylosin tartrate 29mg/implant.
IMPLANT G2959
Indications: Increases the rate of mass gain and improves feed efficiency in cattle. Reduces the incidence of abcess formation at the implant site. Improvement in feed conversion. –B.
100
Dosage: 1 implant/animal sc behind the ear. See literature.
C/I: Do not use in animals intended for breeding purposes. Do not use implant site for human or animal consumption.
P/I: Only for use in bulls, steers and heifers during the fattening phase.
See also IDR page 295

COMPUDOSE, Elanco AH
Compudose 100: Estradiol 21,1mg/implant; Compudose 200: Estradiol 25,7mg/implant).
EAR IMPLANT G2082, G0643
Indications: Increased rate of mass gain in suckling and grazing steers and heifers. Improved feed efficiency and increased rate of mass gain in feedlot steers. –B.
100 implants
Dosage: 1 sc implant per animal. Repeat every 100 (200 days). See literature.
C/I: Do not use in cattle intended for breeding purposes.
See also IDR page 296

REVALOR®, Intervet SA (MSD Animal Health)
Indications: Improves mass gain, feed conversion, meat quality in heifers. –B.
-H IMPLANTS G2023
Trenbolone acetate 200mg, β oestradiol 20mg. 100

Dosage: 1 implant placed under the soft skin area on the posterior of ear.
-S IMPLANTS G2024
Trenbolone acetate 140mg, β -oestradiol 28mg. 100
Dosage: 1 implant placed under the soft skin area on the posterior of ear.
W/T: Revalor-H: Meat 60 days.
C/I: Not for breeding or dairy animals. Only use in bulls, steers, heifers in feedlots or fattening pens.
REVALOR G G2714
Trenbolone acetate 40mg, oestradiol 8mg/dose.
Indications: Increases mass gain in feedlot cattle – slow release. –B
10 x 10 implants
Dosage: 1 Implant/animal in the ear.
C/I: Not to be used in animals intended for subsequent breeding, or in dairy animals.
See also IDR page 634, 635, 636

REVALOR® XR, Intervet SA (MSD Animal Health)
Trenbolone acetate 200mg, oestradiol 20mg/ implant.
IMPLANT G4490
Indications: Indicated for increased rate of weight gain and improved feed efficiency during 70 to 200 days after implantation in steers and heifers fed in confinement for slaughter. –B.
100 doses
Dosage: Implant 1 tablet sc on the back of the ear only. See literature.
W/T: 0 days.
C/I: Do not use in animals intended for subsequent breeding, or in lactating dairy cows. Do not admin. implants more than once. Do not use in calves to be processed for veal. Do not admin. to pre-ruminating calves. Do not use implant site for human or animal consumption.
P/I: Do not contaminate water sources with disposable materials or implants.
See also IDR page 636

REVALOR®-XS, Intervet (MSD Animal Health)
Trenbolone acetate 200mg, 17 β -oestradiol 40mg/implant.
IMPLANT G3925
Indications: Used to improve weight gain and improve feed efficiency for up to 200 days when admin. once to steers and bulls fed in confinement for slaughter. –B.
100 doses
Dosage: Place 1 implant in the soft skin on the posterior aspect of the ear.
W/T: Meat and offal 70 days.
C/I: Do not use in pregnant, lactating or breeding animals. Do not use in calves to be processed for veal.
See also IDR page 637

SYNOVEX® PLUS, Zoetis
Trenbolone acetate 200mg, oestradiol benzoate 28mg.

IMPLANT G2379
Indications: Increases average daily gain, improves feed efficiency, promotes the production of lean meat in steers fed in confinement for slaughter. –B.
100 doses
Dosage: One implant/steer sc in the middle third of the ear.
C/I: Do not use in cattle intended for breeding purposes or in dairy animals.
See also IDR page 875

20.2.2. Growth hormones

20.3. Beta-agonists

GROFACTOR®, Virbac
Zilpaterol hydrochlorid 48g/kg.
PREMIX G4233
A medicated feed premix used in the final finishing stage feedlot cattle to improve the efficiency feed conversion, weight gain, carcass yield and to reduce carcass fat in cattle. –B.
5kg
Dosage: Use only in feedlot cattle during the final 30 days prior to slaughter. Mix into feed at 125g/ton food. Mix a small quantity feed before it is incorporated into the bulk of the total feed to be prepared.
W/T: Meat 72 hours.
C/I: Do not use in animals with cardiovascular diseases. Do not admin. to animals not confined in feedlots (such as dairy or breeding cattle).
See also IDR page 720

PAYLEAN 20, Elanco AH
Ractopamine HCl 20g/kg.
PREMIX G2520
Indications: Increased rate of mass gain, increased feed efficiency, improved carcass dressing percentage. At higher inclusion rates improves carcass leanness. –P.
10kg
Dosage: For use in swine finisher feeds only. Use 250-1 000g/ton feed. Mix thoroughly in feed before use.
P/I: Use medicated feed within 3 months after mixing.
See also IDR page 334

SALBUTAMATE® 10 %, Animate AH
Salbutamol/R-Salbutamol sulphate 100g/kg.
PREMIX G4084
Indications: B, O, P: For increased mass gain, increased feed efficiency, improved carcass dressing percentage and improved carcass leanness (lower fat %). –B, O, P.
Dosage: B: 75-150mg per animal/day in the final feed for the last 30-40 days of the finishing phase. O: 100-150g/ton feed in the final feed for the last 28 days of the finishing phase. P: 2-6 ppm (20-60g per ton feed) in the final feed for the last 28 days of the finishing phase.

W/T: B: Meat 2 days. O: Meat 1 day. P: Meat 0 days. Not for use in animals producing milk for human consumption.

See also IDR page 78

ZILMAX®, Intervet SA (MSD Animal Health)

Zilpaterol HCl 48g/kg.

IN-FEED GROWTH STIMULANT G2180

Indications: Nonsteroidal growth stimulant for improved bm gain and feed conversion in feedlot cattle and sheep. It improves the muscle-to-fat ratio in the carcass by reducing fat deposition. –Can, O. 10kg

Dosage: B: Use in feedlot cattle up to 20-40 days in the final finishing stage. O: Use in feedlot sheep up to 18 days in the final finishing stage. See literature.

W/T: 72 hours.

See also IDR page 662

20.4. Others

RALGRO, Intervet SA (MSD Animal Health)

CATTLE IMPLANTS G1406

Zeranol 36mg per implant (73,8% m/m). Indications: Growth stimulant for improved bm gain, feed conversion. –B. 1 x 24 implants

Dosage: 1 implant on back of ear only. Implant replacement heifers at between 1-7 months of age.

SUPER IMPLANTS G1407

Zeranol 72mg per implant (73,8%).

Indications: Growth stimulant for improved bm gain and feed conversion. Improves beef fat ratio. –B. 1 x 24 implants

Dosage: 1 implant on back of ear only.

SHEEP IMPLANTS G1802

Zeranol 12mg per implant (73,8%).

Indications: O: Growth stimulant for improved bm gain and feed conversion. 1 x 24 implants

Dosage: O: 1 implant on back of ear only. **C/I:** Breeding animals.

21. TUBERCULOSIS

Tuberculosis is a controlled disease in terms of the Animal Diseases Act (Act 35/1984). The occurrence or suspicion of TB must be reported to the responsible State Veterinarian.

22. DIAGNOSTICS

22.1. Cattle

ANIGEN RAPID BOVID-5 AG TEST KIT, Afrivet

Indications: Solid phase immunochromatographic assay for the rapid, qualitative

detection of *Cryptosporidium* antigen, Rotavirus antigen, Corona virus antigen, *Escherichia coli* K99 and *Giardia lamblia* antigen in calf faeces.

How to use: See package insert for full directions for use.

Test results: See package insert for reading and interpretation of results.

Units per kit: 10 tests per kit.

Sample type: Faeces.

Test time: 10 minutes.

Storage: Store the test kit at 2-30°C. Do not freeze.

See also IDR page 56

AVIAN TUBERCULIN PPD, Intervet SA (MSD Animal Health)

A PPD of *Mycobacterium avium* strain D4 cultures.

INJECTION G3754

Indications: Test allergen for the completion of the comparative test for TB in bovines and other domestic animals. –B, Can, F. 20, 18 doses

Dosage: See literature.

Evaluation: See literature.

W/T: 0 days.

See also IDR page 470

★ INTERTEST® BOVINE PPD TUBERCULIN, Intervet SA (MSD Animal Health)

A purified protein derivative (PPD) of *Mycobacterium bovis* strain AN5 cultures. 50 000iu/ml.

INJECTION G3753

Indications: For the diagnosis of bovine tuberculosis. –B. 20 doses

Dosage: 0,1ml intradermally on the neck at the ridge of the shoulder-blade. Evaluate after 72 hours. See literature.

C/I: Do not test acutely ill animals.

P/I: To differentiate between avian TB and bovine TB, a comparative TB test should be performed. See literature for prevention of false negative results.

See also IDR page 540

MASTEST, Elanco AH

Indications: Mastitis cell test, based on the fact that mastitis causes an increase of white blood cells in the milk. These cells form a gel when they are mixed with the Mastest solution.

How to use: Draw fore-milk from each quarter into its respective cup on the Mastest paddle. Tip the paddle almost vertically so that about 2ml (½ teaspoonful) is left in each cup. Add an equal quantity of Mastest solution. Mix by gentle rotation of the paddle and observe reaction. Rinse paddle with cold water before re-use.

C/I: Mastest should not be used at the beginning or end of lactation or for several days following the infusion of intramammary preparations. Extreme cold

may cause cloudiness which will clear if stored in a warm place.

See also IDR page 318

22.2. Pigs

22.3. Cats and Dogs

ANIGEN RAPID CDV AB TEST KIT 2.0, Afrivet

Indications: Chromatographic immunoassay for the semiquantitative detection of IgG to distemper virus in canine serum, plasma, or whole blood.

How to use: See package insert for full directions for use.

Test results: See package insert for reading and interpretation of results.

Units per kit: 10 tests per kit.

Sample type: Serum, plasma, or whole blood.

Test time: 10 minutes.

Storage: Store the test kit at 2-30°C.

Do not freeze.

See also IDR page 58

ANIGEN RAPID CDV AG TEST KIT, Afrivet

Indications: Chromatographic immunoassay for the qualitative detection of canine distemper virus antigen in conjunctiva, urine, serum, or plasma.

How to use: See package insert for full directions for use.

Test results: See package insert for reading and interpretation of results.

Units per kit: 5, 10, or 20 tests per kit.

Sample type: Conjunctiva fluid, serum, plasma, or whole blood.

Test time: 5-10 minutes.

Storage: Store the test kit at 2-30°C. Do not freeze.

See also IDR page 59

ANIGEN RAPID CPV AB TEST KIT 2.0, Afrivet

Indications: Chromatographic immunoassay for the semiquantitative detection of IgG to parvovirus in canine serum, plasma, or whole blood.

How to use: See package insert for full directions for use.

Test results: See package insert for reading and interpretation of results.

Units per kit: 10 tests per kit.

Sample type: Serum, plasma, or whole blood.

Test time: 10 minutes.

Storage: Store the test kit at 2-30°C. Do not freeze.

See also IDR page 60

ANIGEN RAPID CPV AG TEST KIT, Afrivet

Indications: Chromatographic immunoassay for the qualitative detection of IgG to distemper virus in canine faeces.

How to use: See package insert for full directions for use.

Test results: See package insert for reading and interpretation of results.

Units per kit: 10 or 20 tests per kit.

Sample type: Faeces.

Test time: 5-10 minutes.

Storage: Store the test kit at 2-30°C. Do not freeze.

See also IDR page 62

ANIGEN RAPID CPV/CCV AG TEST KIT, Afrivet

Indications: Chromatographic immunoassay for the qualitative detection of canine parvovirus antigen and Coronavirus antigen in canine faeces.

How to use: See package insert for full directions for use.

Test results: See package insert for reading and interpretation of results.

Units per kit: 10 tests per kit.

Sample type: Faeces.

Test time: 5-10 minutes.

Storage: Store the test kit at 2-30°C. Do not freeze.

See also IDR page 63

ANIGEN RAPID CPV/CCV/GIARDIA AG TEST KIT, Afrivet

Indications: Chromatographic immunoassay for the qualitative detection of canine parvovirus, canine corona virus, and *Giardia* antigen in canine faeces.

How to use: See package insert for full directions for use.

Test results: See package insert for reading and interpretation of results.

Units per kit: 5 and 10 tests per kit.

Sample type: Faeces.

Test time: 5-10 minutes.

Storage: Store the test kit at 2-30°C. Do not freeze.

See also IDR page 64

ANIGEN RAPID E.CANIS AB TEST KIT, Afrivet

Indications: Chromatographic immunoassay for the qualitative detection of *Ehrlichia canis* antibodies in canine serum, plasma, or whole blood.

How to use: See package insert for full directions for use.

Test results: See package insert for reading and interpretation of results.

Units per kit: 10 tests per kit.

Sample type: serum, plasma, or whole blood.

Test time: 20 minutes.

Storage: Store the test kit at 2-30°C. Do not freeze.

See also IDR page 65

ANIGEN RAPID FCOV AG/AB TEST KIT, Afrivet

Indications: Chromatographic immunoassay for the qualitative detection of feline corona virus (FCoV) antigens in feline faeces and

antibodies in feline whole blood, serum, or plasma.

How to use: See package insert for full directions for use.

Test results: See package insert for reading and interpretation of results.

Units per kit: 5 tests per kit.

Sample type: FCoV Ag: Feline faeces. FCoV Ab: Feline whole blood, serum, or plasma.

Test time: 10 minutes.

Storage: Store the test kit at 2-30°C. Do not freeze.

See also IDR page 66

ANIGEN RAPID FELICHECK-3 TEST KIT, Afrivet

Indications: Chromatographic immunoassay for the qualitative detection of feline immunodeficiency virus antibody (FIV Ab), feline leukaemia virus antigen (FeLV Ag) and feline heartworm antibody (FHW Ab) in feline whole blood, serum, or plasma.

How to use: See package insert for full directions for use.

Test results: See package insert for reading and interpretation of results.

Units per kit: 10 tests per kit.

Sample type: Feline whole blood, serum, or plasma.

Test time: 15 minutes.

Storage: Store the test kit at 2-30°C. Do not freeze.

See also IDR page 68

ANIGEN RAPID FIV AB/FELV AG TEST KIT, Afrivet

Indications: Chromatographic immunoassay for the qualitative detection of feline leukaemia virus antigen and feline immunodeficiency virus antibody.

How to use: See package insert for full directions for use.

Test results: See package insert for reading and interpretation of results.

Units per kit: 5 and 10 tests per kit.

Sample type: Feline whole blood, serum, or plasma.

Test time: 10 minutes.

Storage: Store the test kit at 2-30°C. Do not freeze.

See also IDR page 69

ANIGEN RAPID GIARDIA AG TEST KIT, Afrivet

Indications: Chromatographic immunoassay for the qualitative detection of giardia antigen in canine or feline faeces.

How to use: See package insert for full directions for use.

Test results: See package insert for reading and interpretation of results.

Units per kit: 2 or 10 tests per kit.

Sample type: Faeces.

Test time: 5-10 minutes.

Storage: Store the test kit at 2-30°C. Do not freeze.

See also IDR page 70

ANIGEN RAPID TOXOPLASMA AB TEST KIT, Afrivet

Indications: Chromatographic immunoassay for the qualitative detection of antibody against *Toxoplasma gondii* in serum, plasma, or whole blood.

How to use: See package insert for full directions for use.

Test results: See package insert for reading and interpretation of results.

Units per kit: 10 tests per kit.

Sample type: Serum, plasma, or whole blood.

Test time: 10 minutes.

Storage: Store the test kit at 2-30°C. Do not freeze.

See also IDR page 71

AVIAN TUBERCULIN PPD, Intervet SA (MSD Animal Health)

A PPD of *Mycobacterium avium* strain D4 cultures.

INJECTION G3754

Indications: Test allergen for the completion of the comparative test for TB in bovines and other domestic animals. –B, Can, F. 20, 18 doses

Dosage: See literature.

Evaluation: See literature.

W/T: 0 days.

See also IDR page 470

OVASSAY® PLUS/OVATEC® PLUS SYSTEM, Zoetis

Faecal flotation method for identifying gastrointestinal parasites. The test can be used for detection of intestinal parasitic eggs in bovine, ovine, caprine, equine, canine or feline faeces.

Units per kit: 50 tests and zinc sulfate.

Sample type: Faeces.

Test time: 10 minutes.

Storage: Refrigerate (2-7°C).

See also IDR page 896

WITNESS® FELV-FIV, Zoetis

Indications: The test is indicated for use when history and/or clinical signs may suggest an infection by feline retroviruses. It is also particularly recommended prior to a FeLV vacc., especially in cats belonging to an at risk population.

How to use: The test can be performed on unclotted whole blood anticoagulated with EDTA or heparin, serum or plasma.

See package insert for full directions for use.

Test result: Validation: test is validated if a pink band is present in each reading window.

See also IDR page 897

WITNESS® LEPTO, Zoetis

Use in sick dogs with symptoms compatible with Canine Leptospirosis: signs of renal and/ or hepatic failure, lethargy, anorexia, vomitus, acute febrile illness, pulmonary hemorrhage, anemia, uveitis, and abortion. The test detects IgM antibodies against *Leptospira* serovars

Canicola, Pomona, Icterhaemorrhagiae, and Grippotyphosa in the dog's whole blood, plasma, or serum.
Sample storage: Anticoagulated whole blood samples should preferably be tested immediately after collection but not longer than 4 hours after collection, if stored at room temperature.
Units per kit: 5 pouches
Test procedure: See instructions for use.
See also IDR page 899

WITNESS® PARVO, Boehringer
Indications: Detects the presence of canine parvovirus antigen in canine faeces.
How to use: Canine faecal material is required for this test. Stool samples may be stored at 2-7°C for 48 hours. If longer storage is required, samples may be frozen. See package insert for full directions for use.
Test result: A sample is positive for canine parvovirus antigen if there is one purple band visible in window #2 and a purple band in window #3.
See also IDR page 900

22.4.	Poultry
22.5.	Fish
22.6.	Multispecies

SABARAUD AGAR, Instavet
Indications: For indicating growing fungi and yeast.
Test results: *Microsporium cania*: Colony: white, cottony to woolly. Undersurface of colony: spindle-shaped, thickwalled macroconidia. *Microsporium gypseum*: Colony: fast-growing, brownish. Undersurface of colony: pale yellow to brownish. *Tricophyton mentagrophytes*: Colony: white to cream-coloured; powdery. Undersurface of colony: light brown to brown. *Candida*: Colony: soft, white, creamy. Undersurface of colony: white.

22.7. Others
V-CHECK 200 ANALYZER, Afrivet
Indications: Bionote V200 analyser is effective for measuring quantitative or qualitative biomarkers using body fluid in the laboratory and point-of-care settings.
How to use: See product manual for full directions for use.
Test results: See individual test kit package insert for reading and interpretation of results.
Sample type: Because specimens are quite different for each parameter, follow the instructions from each test device insert. V-Check tests available to be used with the V-Check 200 analyzer: Blood chemistry tests: Canine D-dimer; cPL (Canine pancreatic lipase); fPL (feline pancreatic lipase); Canine CRP (C-reactive protein); Feline

SAA (Serum Amyloid-A); cCortisol; (Canine cortisol); T4 (Thyroxine); cTSH (Canine thyroid-stimulating hormone); cProgesterone (Canine progesterone); Feline NT-proBNP and canine NT-proBNP; SDMA (Symmetric dimethylarginine).
Infectious diseases tests: Antigen tests: CPV Ag (Canine parvovirus antigen); CCV Ag (Canine coronavirus antigen); CDV Ag (Canine distemper virus antigen); CPV/CCV Ag (Canine parvovirus/coronavirus antigen); FPV Ag (Feline panleukopenia virus antigen).
Antibody tests: CPV Ab (Canine parvovirus antibody); CDV Ab (Canine distemper virus antibody); FHV Ab (Feline herpesvirus antibody); FPV Ab (Feline panleukopenia virus antibody).
See also IDR page 72

23. **REHYDRATION SOLUTIONS**
MORIANA RINGERS-VET SOLUTION, Moriana
Sodium chloride 6g, potassium chloride 0,4g, calcium chloride 0,27g, sodium lactate 3,2g, water for injection to 1 000ml.
SOLUTION G3539
Indications: Electrolyte and water supplement for large animals. –E, B. 1 000ml
Dosage: Infuse the solution using sterile techniques over a 3-hour period. Usual dose should not exceed 50ml/kg bm.
SABAX PLASMA VET, Adcock Ingram
Sodium chloride 7,6g, potassium chloride 0,373g, magnesium chloride hexahydrate 0,305g/1 000ml.
(S1) INFUSION 85/23.4/3
Indications: Parenteral rehydration infusion. –All species. 1 000ml
Dosage: Admin. iv using sterile equipment.

24. **ASSOCIATED VETERINARY PRODUCT**
AGITA® 10 WG FLY BAIT, Elanco AH
Thiamethoxam (neonicotinoid) 100g/kg, (Z)- 9-Tricosene 0,50g/kg
PAINT-ON AND SPRAY-ON L6670
Indications: Adult fly control. A water-dispersible paint-on and spray-on residual action stomach and contact insecticide with attractant for the control of flies and litter beetle (*Alphitobius diaperinus*) in poultry houses. Is suitable for use in stables, poultry houses, pigsties, dairies and other farm buildings, as well as industrial buildings where flies are a nuisance and a health hazard. 50g tub and 5kg

Directions for use: See literature.
C/I: Do not keep or apply where food or feed may become contaminated. Poisonous by contact and when ingested. Toxic to bees and very toxic to aquatic life with long-lasting effects. Avoid release into the environment. Do not store the made-up liquid as it will lose its efficacy.
P/I: Wear rubber gloves, safety glasses, effective dust mask and heavy duty working clothes (e.g. overalls) when applying. In case of accidental contact, remove contaminated clothing and wash skin thoroughly with soap and water. Rinse eyes with clean water for several minutes and immediately call a physician. Remove the affected person from the danger zone to a well-ventilated room or to fresh air, and protect from undercooling.
See also IDR page 261

AGITA® GRANULAR FLY BAIT, Elanco AH
Thiamethoxam (neonicotinoid) 10g/kg, (Z)- 9-Tricosene 1g/kg.
BAIT L7180
Indications: Adult fly control. A ready-to-use granular bait containing a stomach and contact poison, as well as a fly sex attractant. 400g HDPE tubs
Directions for use: Use only as directed. Is suitable for use in stables, poultry houses, pigsties, dairies and other farm buildings where flies are a nuisance and a health hazard. Should only be applied as dry bait. Place a very thin layer in shallow containers, where flies usually congregate, in places inaccessible to children and animals. Scatter Agita® Granular Fly Bait very lightly, using 200g/100m2 of ground surface on areas frequented by flies, e.g. in and around animal housing, floors, alleyways, window sills, manure heaps, etc. Scatter Agita® Granular Fly Bait in such a way that animals will not come in contact with granules and their feed and drinking water does not become contaminated. Repeat when the bait has been eaten, covered with dust or dead flies or when the old bait has dissolved or dispersed.
C/I: Toxic to bees.
P/I: Wear rubber gloves when applying. In case of accidental contact, remove contaminated clothing and wash skin thoroughly with soap and water.
See also IDR page 261


AVIBOOST™ CL-X BLUE, Elanco AH
Sodium thiosulphate disodium salt, food colour F, D and C Blue E133, stabilisers for conditioning water pH, metal ions sequestrants, buffering agents.
LIQUID
Indications: Concentrated liquid stabiliser for the admin. of live vaccs. through drinking water for poultry. It neutralises chlorine present in drinking water, which may inactivate live vaccs., and includes buffers to

optimise pH and conditions hard water. 100ml, 1L and 5L
Administration: See literature. Mix 50ml in 100L clean, cool drinking water. (0,5ml per 1L water neutralises 5ppm chlorine).
C/I: Not for use for eye drops, vaccine diluents or for injection.

See also IDR page 270
BETAKILL DISINFECTANT AEROSOL FOGGER®, Bupo
Didecyl dimethyl ammonium chloride 0,88%.
AEROSOL FOGGER NRCS/8054/243642/346
Indications: For broad-spectrum disinfection against fungi, bacteria and spores in closed areas, including (but not limited to) the inside of trucks transporting foodstuff, animals and birds, closed rooms in hatcheries, food-processing areas, laboratories, incubators, settlers, walk-in cool rooms, animal-rearing facilities, abattoirs, veterinary consulting rooms, veterinary kennels, operating theatres. 150ml, 400ml
Direction for use: Shake container before use. Remove humans/animals/produce/ plants/feedstuff and fodder from space to be treated.
See also IDR page 170
LARVADEX®, Elanco AH
Cyromazine (triazine) 10g/kg.
PREMIX G0641
Indications: Prevents development of flies in poultry manure. For blending with poultry feed only. 20kg bag
Directions for use: Use only as directed. Blending: 1kg Larvadex® per 2 000kg (2 tons) of the required poultry ration. Note: Preblend: Mix the 1kg of Larvadex® first with 10kg of feed before finally mixing with the feed bulk. It is essential that all ingredients are thoroughly mixed to ensure even distribution of Larvadex® throughout the feed. Feeding: Commence feeding Larvadex®-treated feed to poultry when fly activity is noticed and

continue throughout the fly season. It is essential that all poultry receive Larvadex®-treated feed where flies are a problem. In the case where Larvadex® feed is used where existing old, untreated manure is already present, maximum fly control will only be achieved 2-3 weeks later.
See also IDR page 316
MAGISTRAL PF®, Bupo
Thiabendazole 20% w/v.
SMOKE GENERATOR NRCS/8054/243337/880
Indications: A ready to use smoke generator that is used for fungal fumigant that is suitable for less accessible areas such as ventilation and air conditioning systems.
Directions for use: Place the smoke generator on a non-flammable surface (e.g. a brick/tile). Remove the lid. Light the wick with a lighter/match and vacate the room immediately after lighting the wick. Within 60 seconds, the active ingredient is expelled. Allow smoke to settle on contact surfaces for not less than 30 mins but ideally 12 hours. Early entry should be permitted only in case of emergency or to operate ventilation equipment. Personnel-protective equipment is required. 50g
Dosage: See literature.
P/I: Avoid inhaling the smoke. Fumigated areas must not be entered for at least 2 hours after treatment.
See also IDR page 173
NEOPREDISAN™ 135-1®, Bupo
Chlorocresol 25% w/v.
LIQUID NRCS/8054/243337/500
Indications: A broad spectrum disinfectant which gives high levels of control of persistent micro-organisms including fungi and bacteria on a wide range of surfaces. 250ml, 2L and 20L
Dosage and directions for use: Use 0,4L/m² of diluted product. Pre-clean all surfaces and equipment in animal and poultry houses

to be treated with a high-pressure cleaner and allow surfaces to dry. Then apply Neopredisan™ 135-1 at low pressure to all house surfaces (floors and walls up to 1m height) and all equipment. Bacteria: 300ml in 10L water (3% solution – 30 min). Fungi: 200ml in 10L water (2% solution – 30 min). Other: 400ml in 10L water (4% solution – 30 min).
P/I: See literature.
See also IDR page 173
NEPOREX®, Elanco AH
Cyromazine (triazine) 20g/kg.
WATER-SOLUBLE GRANULES L3055
Indications: Water-soluble, granular larvacide that prevents fly and mosquito larval development in breeding sites. 4kg, 20kg
Directions for use and Warnings: See literature. Neporex® prevents the development of fly and mosquito larvae in breeding sites. It has no effect on adult insects and the reduction in adult numbers is therefore gradual. Neporex® must be applied as early in the breeding season as possible to avoid the build-up of large numbers of adult insects.
C/I: Do not mix with any other insecticide.
See also IDR page 326
ULTRUM DURATION, Kyron Labs
Permethrin 14,8g, es-bioallethrin 1,2g, pyriproxyfen 0,4g/kg.
Indications: Long-acting surface spray for household control of fleas. Kills fleas, eggs and larvae. 350ml
Directions for use: Can be used on carpets, bedding, furniture and wall-floor junctions. See literature.
C/I: Do not apply to animals. Prevent contamination of food, eating utensils and drinking water. Avoid skin contact and excessive inhalation.
See also IDR page 406



BLU-VAX
Reg. No. G4534 (Act 36/1947)


BLU-VAX is a formalin-inactivated polyvalent bluetongue virus (BTV) vaccine for the active immunisation of healthy sheep against bluetongue disease (BTV serotypes 1, 2, 3, 4, 5, 7, 12, 13, 16, 17 and 24).



Actives/Trade-Name Index

Active and other ingredients are listed alphabetically in bold type, together with the trade-name medicines, supplements and preparations containing that ingredient. Products with more than one ingredient are indicated with an asterisk (*). While active ingredients are always mentioned, not all ingredients in a product may be stated. Vitamins and minerals, as well as other nutrients, are listed under "Supplements including electrolytes, amino acids, essential fatty acids, plant sterols and/or other nutrients", "Minerals/electrolytes with or without other nutrients", "Vitamins and minerals with or without other nutrients" and "Vitamins with or without other nutrients". The package insert information relating to trade-name products can be located by consulting the Alphabetical Product Index.


Abamectin Allegro Attila* Avotan® Pour-On Eliminate Fluxacur NF* Maximus* Moderator™ Pegamax* Solution® 3.5 % L.A.* Startect®* Virbamax First Drench™* Virbamax LV® Virbamax Premix	Alphamethrin Paracide® Tickill Plus* Altrenogest Regumate® Porcine Aluminium/aluminium oxide Cura-Spray Amitraz Amidip® Max Amipor®* Coopers Triatix® 12.5 % Coopers Triatix® Cattle Pour-On Coopers Triatix® Plus Pour-On* Cypertraz Pour-On* Delete® All* Ectodex Ectoshield* Eraditick® 125 Eraditick® 250 Eraditick® Cattle Pour-On Eraditick® Pig Pour-On Eraditick® Plus Pour-On* Milbitraz Spray Dip Supertraz 25 % Supatraz 125 Supatraz Cattle Pour-On Taktic® Cattle Spray Taktic® Dip for Dogs Taktic® TR Dip Trifender Pour-on* Tixagon® 2 % Ammonium/ammonium hydroxide Allgel Equiwash F10 Disinfectant Teat Spray with Glycerine F10 Disinfectant Teat Spray with Glycerine & Lanolin	 F10 Disinfectant Teat Spray with Glycerine and Lanolin & Vitamin E F10 Germicidal Barrier Ointment F10 Germicidal Treatment Shampoo F10 Germicidal Wound Spray with Insecticide F10 Udder Wash Sanibacter®* Stress Care L* Amoxycillin Avivet Clamoxyl® 200 Clamoxyl® RTU Longstim* Synulox® 50, Synulox® 250* Synulox® Pred LC* Synulox® RTU* Amphotericin B Advent Circomune®* Prevexion RN Vectormune® HVT NDV & Rispens* Amprolium Amprol® 20 % Soluble Powder Amprol® Plus* Anaplasma centrale vaccine Anaplasmosis Anthrax vaccine (see <i>Bacillus anthracis</i> vaccine) Apramycin Apravet 552 IU/mg Arthritis tenosynovitis vaccine AviPro™ 441 ND-IB-BTO-REO* Atipamezole Antisedan®	Atropine Atropine 0.5 Injection; Atropine 10 Injection Aureomycin chlortetracycline Aureo® S 700 G* Avian adenovirus Avisan Multi* Avisan Multi/Co* Avian encephalomyelitis virus vaccine AE Vac AviPro™ AE Gallivac™ AE Poulvac® AE + Pox* Tremvac-FP* Vectormune® FP-LT + AE* Vectormune® FP-MG + AE* Avian influenza virus vaccine Avivac® AI Avian metapneumovirus Cevac® Megamune ND-IB-EDS-SHS K* Cevac® META L Avian reovirus vaccine AviPro™ 106 REO AviPro™ 226 BTO2-REO* AviPro™ 441 ND-IB-BTO-REO* Enterovax®* Nobilis® Reo-IB+G+ND* Nobilis® Reo INAC Nobilis® Reo 2177 Avian rhinotracheitis virus vaccine (also see Turkey rhinotracheitis virus vaccine) Gallimune 407 ND + IB + EDS + ART* Nobilis® Rhino CV Nobilis® RT+IB Multi+G+ND* Nobilis® RT Inac
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CHLAMYVAX
Reg. No. G4535 (Act 36/1947)

CHLAMYVAX guards against enzootic abortion, infertility & eye infections in cattle, sheep and goats.






Clostrivax B+
Reg. No. G4484 (Act 36/1947)

Clostrivax B+ is the only 10 antigen multi-clostridial formulation that protects against ANTHRAX & BOTULISM in cattle; and Mannheimia haemolytica leukotoxin that causes bovine respiratory disease.




Avibacterium paragallinarum vaccine AviPro™ 101 CORYZA Gold Avisan Multi/Co* Avivac® Coryza Avivac® Coryza/EDS* Cevac® Corymune 4 K* Cevac® Corymune 7K* Coripravac Coryza Gallimune® 503 ND + IB + EDS + IC2* Nobilis® Corvac-4 Nobilis® Coryza Volvac® AC Plus Vaccine Volvac® AC Plus + ND +IB + EDS KV Vaccine* Avilamycin Surmax® 100 Azaperone Stresnil® B-mannanase Hernicell® - HT Babesia bigemina vaccine African Redwater for Cattle Babesia bovis vaccine Asiatic Redwater Bacillus anthracis vaccine Anthravax® Blanthrax®* Botu-Sure + Anthrax* Botuthrax* Supavax* Trio-Sure* Bacillus licheniformis B-Act* B-Act* WSP FlavoCombi* Bacitracin Mastijet Forte* Bambermycin Bambermycin 4% Bedinvetmab Librela Benazepril hydrochloride Cardalis®* Fortekor™ 5 and 20 Benethamine benzylpenicillin Ubrostar* Bentonite Toxidex Primus* Benzathine benzylpenicillin (benzathine penicillin) Duplocillin®*	Benzimidazoles Sovereign® Benzyl penicillin Shotapen LA* Benzoyl peroxide Sebbarox* Betamethasone valerate Otomax® Ear Drops* Biguamide compound F10 Disinfectant Teat Spray with Glycerine F10 Disinfectant Teat Spray with Glycerine & Lanolin F10 Disinfectant Teat Spray with Glycerine and Lanolin & Vitamin E F10 Germicidal Barrier Ointment F10 Germicidal Treatment Shampoo F10 Germicidal Wound Spray with Insecticide F10 Udder Wash Bismuth subnitrate Orbeseal® Black quarter vaccine (see <i>Clostridium chauvoei</i> vaccine) Blue tongue virus vaccine Blue tongue vaccine Blu-vax Bordetella bronchiseptica virus vaccine Bronchicine™ Nobivac® KC* Porcilis® AR-T DF* Bovine coronavirus vaccine ScourGuard® 4KC* Rotavec® Corona* Bovine ephemeral fever virus vaccine Bef-Tect B-Phemeral Bovine herpes virus vaccine Respiravax* Bovine respiratory syncytial virus vaccine (BRSV) Bovilis® Vista 5L5 SQ* Bovilis® Vista Once SQ* Bovi-Shield® Gold 5* Bovi-Shield® Gold FP5* Bovi-Shield® Gold One Shot™*	 CattleMaster® 4* Hiprabovis 4* Inforce™ 3* Bovine rotavirus vaccine ScourGuard® 4KC* Rotavec® Corona* Bovine somatotropin Boostin Bovine viral diarrhoea vaccine (BVD) Bovela® Bovilis® Vista 5 L5 SQ* Bovilis® Vista Once SQ* Bovi-Shield® Gold 5* Bovi-Shield® Gold FP5* Bovi-Shield® Gold One Shot™* Bovi-Tect III* CattleMaster® 4* Hiprabovis 4* Respiravax* Brucella abortus vaccine Brucella S19 RB-51 Brucella melitensis vaccine Brucella Rev 1 Buserelin Receptal® Butorphanol Dolorex Butylhydroxyanisole Frontline Plus for Cats* Frontline Plus for Dogs* Butylhydroxytoluene Eprecis® 2 %* Broadline® Top Spot for Cats* Frontline Plus for Cats* Frontline Plus for Dogs* Calcium boro/gluconate Calbro Calbro Forte* Calcibird Glucalmag* Up-Cal Calcium carbonate Calcimax* Kitabac* Thrive P* Calcium carboxymethyl cellulose PetDent® Dentabio*	Calcium chloride Bovikalc®* Bovikalc® Dry* Calcium D-pantothenate Boost* Optiboost* OptiLumen Neo* Calcium hydroxide Browse Plus® Eze-Graze* Calcium fosfomycin Bactofos® Bactofos Plus®* Calcium stearate PetDent® Dentabio* Calcium sulphate AniMin®* Bovikalc®* Bovikalc® Dry* Camphor Rigly® Horse Liniment* Campylobacter fetus vaccine Campylobacter (Vibrio) fetus vaccine Vibrin® Canine adenovirus vaccine Nobivac® Canine 1-DAPPv* Nobivac® Canine 1-DAPPv + Cv* Nobivac® Canine 1-DAPPvL2 Nobivac® Canine 1-DAPPvL2 + Cv* Nobivac® DHPPi* Vanguard® Plus DHPPi/L4R* Canine coronavirus vaccine Nobivac® Canine 1-DAPPv + Cv* Nobivac® Canine 1-DAPPvL2 + Cv* Canine distemper virus vaccine Nobivac® Canine 1-DAPPv* Nobivac® Canine 1-DAPPv + Cv* Nobivac® Canine 1-DAPPvL2 Nobivac® Canine 1-DAPPvL2 + Cv* Nobivac® DHPPi* Nobivac® Puppy DP* Vanguard® Plus DHPPi/L4R* Canine melanoma vaccine Oncpet Canine Melanoma Vaccine, DNA
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Clostrivax O
Reg. No. G4487 (Act 36/1947)

Clostrivax O is a 9 antigen multi-clostridial formulation that protects against the most important veterinary clostridial diseases and pneumonia in sheep.





BLU-VAX
Reg. No. G4534 (Act 36/1947)

BLU-VAX is a formalin-inactivated polyvalent bluetongue virus (BTV) vaccine for the active immunisation of healthy sheep against bluetongue disease (BTV serotypes 1, 2, 3, 4, 5, 7, 12, 13, 16, 17 and 24).



Design Biologix

Canine parainfluenza virus vaccine

- Nobivac® Canine 1-DAPPv*
 - Nobivac® Canine 1-DAPPv + Cv*
 - Nobivac® Canine 1-DAPPv L2*
 - Nobivac® Canine 1-DAPPv L2 + Cv*
 - Nobivac® DHPPi*
 - Nobivac® KC*
 - Vanguard® Plus DHPPi/L4R*
- Canine parvovirus vaccine**
- Nobivac® Canine 1-DAPPv*
 - Nobivac® Canine 1-DAPPv + Cv*
 - Nobivac® Canine 1-DAPPvL2*
 - Nobivac® Canine 1-DAPPvL2 + Cv*
 - Nobivac® Canine 1-Pv
 - Nobivac® DHPPi*
 - Nobivac® Puppy DP*
 - Primodog
 - Vanguard® Plus DHPPi/L4R*

Carbimazole

- Vidalta® 10 mg; Vidalta® 15 mg

Carprofen

- Carprofen 20 mg, 50 mg, 100 mg Afrivet® Chewable Tablets for Dogs
- Rimadyl® Aqueous Injection
- Rimadyl® Chewable 25, 75, 100
- Rimadyl® Injectable
- Rimifen 20; Rimifen 100

Castor oil

- Debrizyme*

Cefalexin (see Cephalixin)

Cefapirin

- Mastiplan L.C.*

Cefovecin

- Convenia

Cefquinome

- Cobactan®
- Cobactan® LA 7,5 %
- Cobactan® LC

Ceftiofur

- Cevaxel RTU®
- Curacef Duo Injectable Suspension*
- Excede®
- Excenel™
- Excenel™ Fluid

- Spectramast® DC
 - Spectramast® LC
- Cefuroxime**
- Spectrazol Milking Cow
- Cephalexin**
- Rilexine® 200 LC*
 - Rilexine® 500 DC*
 - Ubrolexin™*
- Cephalonium**
- Cepravin Dry Cow
- Cephapirin**
- Cephudder
- Cetrimide**
- Doxymycin Eye Powder*
 - Eco Afterbirth Pessaries*
 - Futaspray®*

Chicken anaemia virus (CAV) vaccine

- AviPro™ Thymovac
- Circumone™*
- Nobilis® CAV P4

Chlamydophila/Chlamydia

abortus vaccine

- Cevac® Chlamydia
- Chlamyvax®

Chlamydophila felis vaccine

- Felocell® 4*
- Nobivac® Feline 1-HCP*

Chlamydophila/Chlamydia pecorum

- Chlamyvax®

Chlorfenvinphos

- Coopers Supadip®
- Eraditick Ultra*
- Supona Tick and Maggot Surface Aerosol*

Tickkill Plus*

Tikgard®*

Chlorhexidine digluconate/ gluconate

- Futaspray®*
- Orovet Oral Gel
- Pyoderm

Chlorocresol

- Wound-Sept Plus*

Chloroxylenol

- Epi-Otic®*

Chlortetracycline

- Chlortet 200 G
- Cyclo Spray
- Maxitet CTC 20 % FG
- Phenix® CTC 20 %

Choline/choline chloride

- Boost*
- Bupomune

- Carnitol-L*
- Digestabile L®*
- Digestabile-LA®*
- Digestabile-P®*
- Digestabile-S®*
- Stress Care L*

Chondroitin

- Arthrimed*
- Flexi-Bites*
- GCS Joint Care Advanced Gel for Cats*
- GCS Joint Care Advanced Liquid for Dogs*
- GCS Joint Care Advanced Powder*
- GCS Joint Care Advanced XL Powder*
- Mobiflex®*
- Mobiflex®-H*
- Mobiflex®-LD*
- Mobiflex® Tablets*
- Nutradyl®*
- Orthoplex® Plus for Cats and Dogs*
- Petflex*

Ciclosporin (see Cyclosporin)

Citric acid

- Stress Care L*

Citronella

- Buzz Off Gel*
- Buzz Off Spray*

Clavulanic acid

- Synulox® 50, Synulox® 250*
- Synulox® Pred LC*
- Synulox® RTU*

Clenbuterol

- Ventipulmin®

Clopidol

- Clobek
- Coyden® 25 %

Cloprostenol

- Estrumate®

Clorsulon

- Allegro+Fluke™*
- Ceva Super*
- Iver-Ject Super Fluke*
- Ivermax + Fluke*
- Ivomec® Super Injection*
- Virbamec® L*

Closantel

- Closecro 7,5 %
- Combi-Dose 4*
- Endoject+Fluke
- Maxicare®*
- Nem-A-Rid® Orange*

- Ovi Dose 4*
- Prodose® Orange*
- Prodose® Yellow LA
- Valbantel®*

Clostridium botulinum vaccine

- Botulism
- Botulism (Lamsiekte) Vaccine
- Botu-Sure + Anthrax*
- Botuthrax*
- Botuvax®
- Covexin® 8 + Botulism*
- Duovax®
- Supavax®*
- Trio-Sure*

Clostridium butyricum

- Top Gut®

Clostridium chauvoei vaccine

- BarVac® 10*
- Black Quarter
- Blanthrax®*
- Bovilis® C7 Somni*
- Coglavax®*
- Covexin® 8 + Botulism*
- Covexin® 10*
- Cydetin® Eweguard with Selenium and Vitamin B12*
- Deca-Sure*
- Duovax®
- Multiclos®
- Multivax-P*
- Multivax-P Plus*
- One-Shot Ultra™ 7*
- Ovi-Clos P*
- Spovax®*
- Supavax®*
- Trio-Sure*
- Ultrachoice® 7

Clostridium haemolyticum vaccine –

also known as Clostridium novyi type D


- Covexin® 8 + Botulism*
- Covexin® 10*
- Cydetin® Eweguard with Selenium and Vitamin B12*
- Deca-Sure*
- Multiclos®

Clostridium novyi vaccine

- BarVac® 10*
- Bovilis® C7 Somni*
- Coglavax®*
- Covexin® 8 + Botulism*
- Covexin® 10*
- Cydetin® Eweguard with Selenium and Vitamin B12*
- Deca-Sure*
- Multiclos®

Clostridium sordellii vaccine

- BarVac® 10*
- Bovilis® C7 Somni*
- Covexin® 8 + Botulism*



Clostrivax B+
Reg. No. G4484 (Act 36/1947)

Clostrivax B+ is the only 10 antigen multi-clostridial formulation that protects against **ANTHRAX & BOTULISM** in cattle; and *Mannheimia haemolytica* leukotoxin that causes bovine respiratory disease.



Design Biologix

- Multivax-P Plus*
- One-Shot Ultra™ 7*
- Swelled Head
- Suiseng*
- Ultrachoice® 7

Clostridium perfringens vaccine

- BarVac® 10*
 - Bovilis® C7 Somni*
 - Coglavax®*
 - Covexin® 8 + Botulism*
 - Covexin® 10*
 - Cydetin® Eweguard with Selenium and Vitamin B12*
 - Deca-Sure*
 - Glanvac® 3
 - Lamb Dysentery
 - Multivax-P*
 - Multivax-P Plus*
 - Ovi-Clos P*
 - Proteqflu™-TE*
 - Tetanus
 - Tetanus Vaccine
- Clostrimazole**
- Mometamax®*
 - Otomax® Ear Drops*
- Cloxacillin**
- Fortitude® EDC
 - Orbenin® Extra DC

Clostridium septicum vaccine

- BarVac® 10*
 - Bovilis® C7 Somni*
 - Coglavax®*
 - Evalon®
 - Fortegra®
 - Immucox® 5
 - Livacox® Q
 - Livacox® T
 - Paracox®
 - Paracox® 5
 - Paracox® 8
- Cod liver oil**
- Laxapet®
- Copper/copper sulphate**
- Micromin B*
 - Micromin O+*
 - Multimin® + Se + Cu + Cr for Cattle*
 - Multimin® + Se + Cu for Cattle*

Clostridium sordellii vaccine

- BarVac® 10*
- Bovilis® C7 Somni*
- Covexin® 8 + Botulism*

- Covexin® 10*
- Deca-Sure*
- Multiclos®
- One-Shot Ultra™ 7*
- Ultrachoice® 7

Clostridium tetani vaccine

- Coglavax®*
- Covexin® 8 + Botulism*
- Covexin® 10*
- Cydetin® Eweguard with Selenium and Vitamin B12*
- Deca-Sure*
- Glanvac® 3
- Lamb Dysentery
- Multivax-P*
- Multivax-P Plus*
- Ovi-Clos P*
- Proteqflu™-TE*
- Tetanus
- Tetanus Vaccine

Clostrimazole

- Mometamax®*
- Otomax® Ear Drops*

Cloxacillin

- Fortitude® EDC
- Orbenin® Extra DC

Cobalt

- Combi-Dose 4*
- OptiLumen Dairy*
- OptiLumen Neo*
- OptiLumen Sheep and Goats*
- OptiLumen Sheep and Goats + Cu*
- Ovi Dose 4*

Coccidiosis vaccine

- Advent
- Eimeriavax 4m
- Evalon®
- Fortegra®
- Immucox® 5
- Livacox® Q
- Livacox® T
- Paracox®
- Paracox® 5
- Paracox® 8

Cod liver oil

- Laxapet®

Copper/copper sulphate

- Micromin B*
- Micromin O+*
- Multimin® + Se + Cu + Cr for Cattle*
- Multimin® + Se + Cu for Cattle*

- Multimin® + Se + Cu for Sheep
- and Angora Goats*
- OptiLumen Dairy*
- OptiLumen Neo*
- OptiLumen Sheep and Goats + Cu*
- Ovi-Thrive Lamb and Kids + Copper (Ashkan)*
- Ovi-Thrive Sheep and Goats + Copper (Ashkan)
- Petflex*
- Sanibacter*

Corynebacterium pseudotuberculosis vaccine

- Corynebacterium Ovis
- Cydetin® Eweguard with Selenium and Vitamin B12*
- Glanvac® 3

Corynebacterium pyogenes vaccine

- Actinomyces (*Arcano-bacterium*) Pyogenes

Cyclosporin/e

- Atopica 25; Atopica 50; Atopica 100

Cymiazole

- Bantik Cattle Dip*
- Cymigard®*
- Ecobash*
- Ektoban®*
- Eraditick Ultra*
- Multidip*

Cypermethrin

- Amipor®*
- Bantik Cattle Dip*
- Buzz Off Gel*
- Buzz Off Spray*
- Cura-Spray
- Cymigard®*
- Cypertraz Pour-On*
- Ecobash*
- Ectomin® 100 EC
- Ectoshield*
- Ektoban®*

- Equiworld Fly Repellent for Horses and Dogs
- Eraditick Ultra*
- F10 Germicidal Wound Spray with Insecticide*

- Fly Repel for Dogs*

- MaxiCyp 20 %

- Multidip*

- Pro-Dip™ Cyp 20 %

- Quadrepel®

- Supaspray Plus*

- Trifender Pour-on*
- Vets Own Tick & Flea Powder*
- Vets Own Tick & Flea Shampoo
- Wound-Sept Plus*

Cyromazine

- Vetrazin®
- Vetrazin® Pour-On

D-panthenol

- Panthox®*
- Panthox d-Panthenol*

Danofloxacin

- Advocin® Injectable Solution
- Advocin® 180

Deccoquinat

- Decco®*

Deltamethrin

- Clout®
- Coopers Deca-Spot® 0.5 % Pour-On*
- Coopers Triatix® Plus Pour-On*
- Decatix® 3
- Delete®*
- Delete® All*
- Delete®-X5
- Delta Force® 100
- Deltadip Pour-On*
- Deltadip Tick Grease*
- Deltapor® 5*
- Deltapor® 10 Plus*
- Eraditick® Grease*
- Eraditick® Plus Pour-On*
- Expel Wound Aerosol
- Wipe-Out®

Derquantel

- Startect®*

Detomidine

- Domosedan

Dexamethasone

- Curatex®
- Dexa 0,2 Phenix®
- Dexafort
- Kortico Injection

Dexmedetomidine

- Dexdomitor

Dextrose


- Glucalmag®
- OptiLumen Neo*

Diazinon

- Cooperzon® 30
- Dazzel NF

Dichlorophen

- Dicestal
- Dicestal for Pigeons




CHLAMYVAX
Reg. No. G4535 (Act 36/1947)

CHLAMYVAX guards against enzootic abortion, infertility & eye infections in cattle, sheep and goats.



Design Biologix




Clostrivax O
Reg. No. G4487 (Act 36/1947)

Clostrivax O is a 9 antigen multi-clostridial formulation that protects against the most important veterinary clostridial diseases and pneumonia in sheep.



Design Biologix



BLU-VAX
Reg. No. G4534 (Act 36/1947)

BLU-VAX is a formalin-inactivated polyvalent bluetongue virus (BTV) vaccine for the active immunisation of healthy sheep against bluetongue disease (BTV serotypes 1, 2, 3, 4, 5, 7, 12, 13, 16, 17 and 24).



Wound-Sept Plus*
Zeropar® Aerosol*

Dichlorvos
Supaspray Plus*
Supona Tick and Maggot
Surface Aerosol*

Diclazuril
Clinacox™
Cura-Spray

Dicyclanil
CLiK®
CLiK® Extra

Diethylexyl sodium sulfosuccinate
Epi-Otic®*

Dihydrostreptomycin
Depomycin®
Shotapen LA*

Dimetridazole
Canker Combo*
Cankerex Plus
Chevicol & Emtryl Soluble

Diminazene
Berenil® R.T.U.
Dizene® Cattle*
Rednil*
Veriben B12

Dinoprost
Enzapros®
Lutalyse® 5 mg/ml
Lutalyse® 12.5 mg/ml

Diosmectite
Diomec Plus*
Diomec Plus Powder*

Diprenorphine
Activon

Dipyrrone
Buscopan® Compositum*

Disodium edetate
Epi-Otic®*

Docusate sodium
Docusol

Doramectin
Dectomax®
Doraject + AD₃E LA*
Doravit +AD₃E LA*
Doverect

Doxycycline
Doxybiotic-Plus*
Doxybird
Doxydog
Doxysyrup
Doxy-Max 50 %

Doxymycin Eye Powder*
Doxymycin QA
Mildox Injection
Pulmodox® 50 OSP
Supadox™ 50
Tylodox*

Egg drop syndrome virus vaccine
Avisan Multi*
Avisan Multi/Co*
Avivac® Coryza/EDS*
Cevac® Corymune 7K*
Cevac® Megamune ND-IB-EDS-SHS K*
Cevac® ND IB EDS K*
Gallimune 302 ND + IB + EDS*
Gallimune 407 ND + IB + EDS + ART*
Gallimune 503 ND + IB + EDS + IC2*
Nobilis® EDS
Nobilis® IB Multi+ND+EDS*
Nobilis® IB+ND+EDS*
Volvac® AC Plus + ND +IB + EDS KV Vaccine*

Ehrlichia ruminantium vaccine
Heartwater Infective Blood

Eimeria (see Coccidiosis vaccine)

Electrolytes (see Minerals/ Electrolytes with or without other nutrients; Supplements including electrolytes, amino acids, essential fatty acids, plant sterols and/or other nutrients)

Emodepside
Procox®*Profender® Spot On*

Enrofloxacin
Afroxin 5% & 10%
Baytril® 5 %
Baytril® 100
Baytril® Flavoured 15 mg
Baytril® Flavoured 50 mg
Baytril® Flavoured 150 mg
Enrovet 10 % Oral Solution
Evanix
Quinox 10

Enterococcus faecium
Bi-Avirem*
Canigest*

Eprinomectin
Broadline® Top Spot for Cats*
Eprecis® 2 %
Ivomec® Eprinex

Equine influenza virus vaccine
Equilisv Prequenza
Equilis® Prequenza Te
Proteqflu™
Proteqflu™.TE*

Equine rhinopneumonitis virus vaccine
EquiVac® EHV-1/4
Pneumabort-K+1b

Equine rhinotracheitis virus vaccine
Pneumabort-K+1b

Equine West Nile virus vaccine
Duvaxyn® WNV
Proteq West Nile™

Erysipelothrix rhusiopathiae vaccine [see Erysipelas vaccine (pigs)]

Erysipelas vaccine (pigs)
FarrowSure® Gold B*

Esbiothrin
Shoo-Fly® Ointment*
Shoo-Fly® Spray*
Ultrum® Plus*

Escherichia coli vaccine
Entericolix*
Enviracor™ J-5

Escherichia oil emulsion vaccine
LitterGuard® LT-C*
Porcilis® Coli
Porcilis® ColiClos*
Porcilis® Porcoli DF*
Poulvac® E. Coli
Rotavec® Corona*
ScourGuard® 4KC*
Startvac*
Suiseng*
Vepured

Essential oils (topical)
Cothivet®
Oregro®-HS*
Oregro®-L*
Oregro®-NGP*

Ethopabate
Amprol® Plus*

Etorphine
Captivon

Eucalyptus oil
Rigly® Horse Liniment*

Evening primrose oil
Ultrum® Plus*

Fatty acids (topical)
Allermyl® Shampoo*


Febantel
Bayopet® 3 in 1 Flavoured Dog
De-wormer*
Drontal® Flavoured for Large Dogs*
Drontal® Flavoured for Medium Dogs*
Exitel Plus*
Exitel Plus XL *
Triworm-D*
Triworm-D XL*

Feline calicivirus vaccine
Felocell® 3*
Felocell® 4*
Nobivac® Feline 1-HCP*
Nobivac® Feline 1-HCP + FeLV*
Nobivac® Feline 1-HCPch*
Nobivac® Feline 1-HCPch + FeLV*
Nobivac® Tricat Trio*

Feline leukaemia virus vaccine
Leucogen
Nobivac® Feline 1-HCP + FeLV*
Nobivac® Feline 1-HCPCh + FeLV*
Purevax Feline FeLV

Feline panleucopaenia virus vaccine
Felocell® 3*
Felocell® 4*
Nobivac® Feline 1-HCP*
Nobivac® Feline 1-HCP+ FeLV*
Nobivac® Feline 1-HCPCh*
Nobivac® Feline 1-HCPCh + FeLV*
Nobivac® Tricat Trio*

Feline rhinotracheitis virus vaccine
Felocell® 3*
Felocell® 4*
Nobivac® Feline 1-HCP*
Nobivac® Feline 1-HCP + FeLV*
Nobivac® Feline 1-HCPCh*
Nobivac® Feline 1-HCPCh + FeLV*
Nobivac® Tricat Trio*



Clostrivax B+
Reg. No. G4484 (Act 36/1947)

Clostrivax B+ is the only 10 antigen multi-clostridial formulation that protects against ANTHRAX & BOTULISM in cattle; and Mannheimia haemolytica leukotoxin that causes bovine respiratory disease.



Fenbendazole
Antezole® Paste*
Ecomintic 50
Gallifen 40 mg/g
Ostridose
Panacur® 4 %
Panacur® Aquasol
Panacur® BS
Panacur® Paste
Pigfen 40 Premix
Quantel®*

Fipronil
Attila*
Broadline® Top Spot for Cats*
Fiprotec® Spot-On for Cats
Fiprotec® Spot-On for Dogs
Fiprotec® Spray
Frontline Spray
Frontline Plus for Cats*
Frontline Plus for Dogs*
Maximus*
Topline® Pour-on for Cattle

Firocoxib
Previcox® 57 mg Chewable Tablets
Previcox® 227 mg Chewable Tablets

Flavophospholipol
Flaveco 80
Flavo-8
Flavo-80
FlavoCombi*
Flavomycin® 0,8%
Flavomycin® 8%

Florfenicol
Aquaflor® 50 % Premix
Florkem
Neptra™
Nuflor®
Nuflor® Minidose
Resflor®*
Zeleris®*

Fluazuron
Acatak® Pour-On
Drastic Deadline® Extreme*
Long Range*

Flubendazole
Flubenol® 5 %

Flugestone acetane
Ovakron

Flumethrin
Afrivet Redline®
Afrivet Redline® 5 %
Acaricidal Balls
Afrivet Redline® 10 %
Acaricidal Balls
Bayopet® Bacidip® Plus*

Baytical
Drastic Deadline®
Drastic Deadline® Extreme*
Maxipour
Seresto® Collar for Cats*
Seresto® Collar for Dogs
≤8 kg*
Seresto® Collar for Dogs
>8 kg*

Flunixin
Cronyxin Injection
Finadyne®
Resflor®*

Fluralaner
Bravecto®
Bravecto® Plus*
Bravecto® Spot-On
Exzolt® 10 mg/ml Oral Solution

Formic acid
Stress Care L*

Fosfomycin/fosfomycin calcium
Bactofos®
Bactofos Plus®*

Fowl laryngotracheitis
LT-IVAX®
Vectormune® HVT LT*

Fowl pox virus vaccine
AviPro™ POX CEO
Diftosec
Fowl Pox
Poulvac® AE + Pox*
Tremvac-FP*
Vectormune® FP-LT*
Vectormune® FP-LT + AE*
Vectormune® FP-MG*
Vectormune® FP-MG + AE*

Furosemide
Salix® Injection

Gamithromycin
Zactran®

Gentamicin
Advent
Cevac® MD HVT & Rispens*
Circomune®*
Enterovax®*
Purevax Feline FeLV
Fostera® PCV Metastim®*

Innovax®-ILT*
Innovax®-ND*
LT-IVAX®

Mometamax®*
Nobilis® Gumboro 228E*
Nobilis® Gumboro D78*
Nobilis® IB Ma5*
Nobilis® Ma5 + Clone 30*
Nobilis® ND Clone 30*
Otomax® Ear Drops*
Paracur® PCV*
Univax-BD*
Vectormune® HVT NDV & Rispens*

Gentian violet
Futaspray®*

Panthox®
Supona Tick and Maggot
Surface Aerosol*
Wound-Sept Plus*

Gleptoferron
Forceris*
Gleptosil®

Glucosamine
Arthrimed*
Arthritis Care*
Flexi-Bites*
GCS Joint Care Advanced Gel for Cats*
GCS Joint Care Advanced Liquid for Dogs*
GCS Joint Care Advanced Powder*
GCS Joint Care Advanced XL Powder*
Mobiflex®-H*
Mobiflex®-LD*
Mobiflex® Tablets*
Nutradyl®*

Haemophilus parasuis vaccine
Wirevax

Haemophilus parasuis vaccine
Porcilis® Glässer

Herbs, miscellaneous (oral or topical)
Boost*
Bupocox-L*
Buzz Off Gel*
Buzz Off Spray*
Calmequin*
Canigest*
Cpronat®*
Cothivet®
Diakur® Plus*
Digestable L®*
Digestable-LA®*
Digestable-P®*
Epi-Otic®*
Equitop® Myoplast*
Equitop® Pronutrin*
Oregro-HS®*
Oregro-L®*
Oregro-NGP®*
Rigly® MSM Plus*
Sedoline*
Toxidex Primus*
Wonder Immune Potentiator

Chrono-Gest® PMSG 6000 IU
Folligon 1 000 IU

Gonadotrophin Releasing Factor protein conjugate
Improvac®


Green-lipped mussel
Arthrimed*
Arthritis Care®Flexi-Bites*
GCS Joint Care Advanced Gel for Cats*
GCS Joint Care Advanced Liquid for Dogs*
GCS Joint Care Advanced Powder*
GCS Joint Care Advanced XL Powder*
Mobiflex®*
Mobiflex®-H*
Mobiflex®-LD*
Mobiflex® Tablets*
Nutradyl®*

Gumboro [see Infectious bursal disease, Infectious bursal disease (fowls)]

Haemonchus contortus vaccine
Wirevax

Haemophilus parasuis vaccine
Porcilis® Glässer


Herbs, miscellaneous (oral or topical)
Boost*
Bupocox-L*
Buzz Off Gel*
Buzz Off Spray*
Calmequin*
Canigest*
Cpronat®*
Cothivet®
Diakur® Plus*
Digestable L®*
Digestable-LA®*
Digestable-P®*
Epi-Otic®*
Equitop® Myoplast*
Equitop® Pronutrin*
Oregro-HS®*
Oregro-L®*
Oregro-NGP®*
Rigly® MSM Plus*
Sedoline*
Toxidex Primus*
Wonder Immune Potentiator



CHLAMYVAX
Reg. No. G4535 (Act 36/1947)

CHLAMYVAX guards against enzootic abortion, infertility & eye infections in cattle, sheep and goats.






Clostrivax O
Reg. No. G4487 (Act 36/1947)

Clostrivax O is a 9 antigen multi-clostridial formulation that protects against the most important veterinary clostridial diseases and pneumonia in sheep.






BLU-VAX
Reg. No. G4534 (Act 36/1947)

BLU-VAX is a formalin-inactivated polyvalent bluetongue virus (BTV) vaccine for the active immunisation of healthy sheep against bluetongue disease (BTV serotypes 1, 2, 3, 4, 5, 7, 12, 13, 16, 17 and 24).



<i>Histophilus somni</i> vaccine Bovilis® C7 Somni* Hiprabovis® Somni/Lkt* Multisomni*	Avisan Multi* Avisan Multi/Co* Avisan-TRT4* Bioral H120 Bioral H120 Neo Cevac® Bron 120 L Cevac® Corymune 7K* Cevac® IBird Cevac® Megamune ND-IB-EDS-SHS K* Cevac® ND IB EDS K* Cevac® Vitabron L* Gallimune 203 ND + IB* Gallimune 302 ND + IB + EDS* Gallimune 407 ND + IB + EDS + ART* Gallimune 503 ND + IB + EDS + IC2* Gallivac® IB88 NEO Hatchpak IB H120 Hipraviar® Clon/H120* Nobilis® IB 4-91 Nobilis® IB+G+ND* Nobilis® IB+ND* Nobilis® IB+ND+EDS* Nobilis® IB Ma5* Nobilis® IB Multi+ND+EDS* Nobilis® IB Primo QX Nobilis® Ma5 + Clone 30* Nobilis® Reo+IB+G+ND* Nobilis® RT+IB Multi+G+ND* Poulvac® IB Primer Poulvac® IB QX Tabic® H-120 Tabic® IB VAR Tabic® IB VAR206 V.H. + H120* VIR 118 Volvac® AC Plus + ND + IB + EDS KV Vaccine*	Gumbohatch® Hipragumboro-CH/80 Hipragumboro-GM97 Innovax® ILT* Innovax®-ND Innovax® ND-IBD* Innovax® ND-ILT* MB-1 Nextmune Nobilis® G+ND* Nobilis® Gumboro 228E* Nobilis® Gumboro D78* Nobilis® Gumboro Inac. Nobilis® IB+G+ND* Nobilis® Reo+IB+G+ND* Nobilis® RT+IB Multi+G+ND* Novamune Poulvac® Magniplex Tabic® M.B. Univax-BD* Vaxxitek HVT + IBD* Vaxxitek HVT + IBD + ILT* Vaxxitek HVT + IBD + ND* Vectormune® HVT IBD*	Infectious canine hepatitis vaccine Nobivac® Canine 1-DAPPv* Nobivac® Canine 1-DAPPv + Cv* Nobivac® Canine 1-DAPPvL2* Nobivac® Canine 1-DAPPvL2 + Cv* Nobivac® DHPPi*	Infectious coryza virus vaccine (see <i>Avibacterium paragallinarum</i> vaccine) Infectious laryngotracheitis virus vaccine Innovax® ILT* Innovax® ND-ILT* LT-IVAX Nobilis® ILT Vaxxitek HVT + IBD + ILT* Vectormune® FP-LT* Vectormune® FP-LT + AE* Vectormune® HVT LT*	Ispaghula Stride Psyllium Plus	Ivermectin Allegro+Fluke™ Allegro LA™ Animectin Baymec™ Bimectin 1 % Injectable Solution	Ceva Super* Cevamec 1 % Injectable Solution Combi-Dose 4* Ecomectin 1 % Injectable Solution Ecomectin Pig Premix Ecomectin Sheep Drench Eqvalan Gold* Expel Plus Jetting Fluid* Heartgard® Plus* Iver-Ject+ADJ.E* Iver-Ject Metabolic* Iver-Ject Premium Iver-Ject Super Fluke* Ivermax 1 % Injectable Solution Ivermax + AD3E* Ivermax + Fluke* Ivermax + Minerals* Ivermax Metabolic Ivermax Platinum LA Ivermax Sheep Drench Ivomec® Gold Ivomec® Injection Ivomec® Super Injection* Ivotan® Langa MEC Long Range* Ovi Dose 3* Ovi Dose 4* Pegaforte* Solution® 3,5 % L.A.* Sovereign® Vermectin L.A. Premium® Virbamec® L* Virbamec® LA	Kanamycin Curatex* Ubrolexin™ Ketoprofen Curacef Duo Injectable Suspension* Draxxin® Plus 100 mg/ml + 120 mg/ml* Ketink Ketofen® 10 % Kaptan Sebbaderm* Keratin Nutradyl®* Ketamine Anaket-V™
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Clostrivax B+
Reg. No. G4484 (Act 36/1947)

Clostrivax B+ is the only 10 antigen multi-clostridial formulation that protects against **ANTHRAX & BOTULISM** in cattle; and *Mannheimia haemolytica* leukotoxin that causes bovine respiratory disease.




Kitasamycin Kitabac* Kitasamycin 10% Kitasamycin WS <i>Komagataella phaffii</i> OptiPhos® Plus 5 000 CT* OptiPhos® Plus 10 000 CT* OptiPhos® Plus 5 000 G* OptiPhosv Plus 10 000 G* L-carnitine Carnitol-L* Optiboost* Lasalocid Avatec® 15 % CC Bovatec® 15 % Bovatec® Liquid 20 Lactic acid Oticlear* Stress Care L* <i>Lactococcus garvieae</i> vaccine Icthiovac LG Lanolin Equiworld Fly Repellent for Horses and Dogs <i>Lawsonia intracellularis</i> vaccine (see Ileitis vaccine) <i>Leptospira Bratislava</i> vaccine Eryseng® Parvo/Lepto* Farrowsure® Gold B* Nobivac® L6* Vanguard® Plus DHPPi/L4R* <i>Leptospira Canicola</i> vaccine Bovilis® Vista 5 L5 SQ* Eryseng® Parvo/Lepto* Farrowsurev Gold B* Nobivac® Canine 1-DAPPv L2* Nobivac® Canine 1-DAPPvL2 + Cv* Nobivac® L6* Nobivac® Lepto 6* Nobivac® RL* Vanguard® Plus DHPPi/L4R* <i>Leptospira Grippotyphosa</i> vaccine Bovilis® Vista 5 L5 SQ* Eryseng® Parvo/Lepto* Farrowsure® Gold B* Nobivac® L6* Nobivac® Lepto 6* Vanguard® Plus DHPPi/L4R* <i>Leptospira Hardjo</i> vaccine Bovilis® Vista 5 L5 SQ* Eryseng® Parvo/Lepto* Farrowsure® Gold B*	<i>Leptospira Icterohaemorrhagiae</i> vaccine Bovilis® Vista 5 L5 SQ* Eryseng® Parvo/Lepto* Farrowsure® Gold B* Nobivac® Canine 1-DAPPvL2* Nobivac® Canine 1-DAPPvL2 + Cv* Nobivac® L6* Nobivac® Lepto 6* Nobivac® RL* Vanguard® Plus DHPPi/L4R* <i>Leptospira Pomona</i> vaccine Bovilis® Vista 5 L5 SQ* Eryseng® Parvo/Lepto* Farrowsure® Gold B* <i>Leptospirosis</i> vaccine (see <i>Leptospira</i>) Levamisole Combi-Dose 4* Endex®* Endo+Lint* Endotape* Eradworm® 25 Eradworm® Concentrate Eradworm® Plus* Eradworm® Tape* Levamicint Concentrate Levicon Levisan* Levoxy 5,9 %* Nem-A-Fluke®* Nem-A-Rid® 3,75 %* Nemarox* Ovi Dose 3* Ovi Dose 4* Prodose® Red Tramisol® Tramisol® Concentrate Tramisol® Plus* Tramizan®* Trinex Plus 19,5 %* Levothyroxine Leventa® 1 mg/ml Oral Solution for Dogs Lignocaine Lignocaine 2 % Lincomycin Linco-Spectin® Premix* Lokivetmab Cytopoint 10 mg (Injection) Cytopoint 20 mg (Injection) Vaxxitek HVT + IBD + ND* Cytopoint 40 mg (Injection)	Lotilaner Credelio 56,25 mg; 112,5 mg; 225 mg; 450 mg; 900 mg Chewable Tablets for Dogs Lumpy skin disease vaccine Lumpy Skin Disease Lumpyvax® Macrocylic lactones Sovereign® Magnesium oxide Engemycin® 10 %* Magnesium hypophosphate Glucalmag* <i>Mannheimia haemolytica</i> vaccine BarVac® 10* Blue Udder for Sheep* Bovilis® Vista Once SQ* Bovilis® Vista Once PMH SQ* Bovi-Tect III* Bovi-Tect P* Bovi-Tect PI* Enterotect P* Hiprabovis® Somni/Lkt* Leukopast 3 Vaccine for Cattle Leukopast Vaccine for Cattle Multivax-P* Multivax-P Plus* One-Shot Ultra™ 7* Ovi-Clos P* Oviguard* Ovipast* Ovivax* Respiravax* <i>Mannheimia pasteurella</i> vaccine Bovilis® Vista Once SQ* Marbofloxacin Forcyl® 16 % Marbocyl 10 % Zeniquin® 25, 50, 100 Marek's disease (MD) virus vaccine Cevac® MD HVT & Rispens* Cevac® MD Rispens Innovax® ILT* Innovax®-ND* Newxxitek HVT + ND* Nobilis® Rismavac Prevexxion RN Vaxxitek HVT + IBD* Vaxxitek HVT + IBD + ILT* Vaxxitek HVT + IBD + ND* Vectormune® HVT IBD*	Vectormune® HVT LT* Vectormune® HVT NDV* Vectormune® HVT NDV & Rispens* Vectormune® ND* Maropitant Cerenia Injection Cerenia Tablets Mavacoxib Trococil 20 mg, 30 mg, 75 mg, 95 mg (chewable tablets for dogs) Medetomidine Domitor Meloxicam Caniflam® Inflacam® Oral Suspension for Dogs Inflacam® 1,5 mg/ml Inflacam® 20 mg/ml Metacam® 0,5 mg/ml Metacam® 1 mg; 2,5 mg Metacam® 5 mg/ml Metacam® 20 mg/ml Metacam® 40 mg/ml Petcam Petcam injection 0,5 % Reoccam 20 mg/ml Vetcam 2 % Zeleris®*
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CHLAMYVAX
Reg. No. G4535 (Act 36/1947)

CHLAMYVAX guards against enzootic abortion, infertility & eye infections in cattle, sheep and goats.






Clostrivax O
Reg. No. G4487 (Act 36/1947)

Clostrivax O is a 9 antigen multi-clostridial formulation that protects against the most important veterinary clostridial diseases and pneumonia in sheep.






BLU-VAX
Reg. No. G4534 (Act 36/1947)


BLU-VAX is a formalin-inactivated polyvalent bluetongue virus (BTV) vaccine for the active immunisation of healthy sheep against bluetongue disease (BTV serotypes 1, 2, 3, 4, 5, 7, 12, 13, 16, 17 and 24).

Mobiflex®-LD* Mobiflex® Tablets* MSM NutraDyl®* Orthoplex® Plus for Cats and Dogs* Petflex* Rigly® MSM Plus*	Multimin® + Se + Cu Cattle* Multimin® + Se + Cu Sheep and Angora Goats* Multimin® + Se Cattle, Sheep and Angora Goats* Multimin® + Se Sheep and Angora Goats* Neutralyte Liquid Ovi-Min® + Cu* Recharge* Rehydion® Gel Repensol* Rigly® Endurance Paste Sabax Plasma Vet Selovin® LA Stressmix Sweatmix Thrive P* Uniferon 20 % Vet Up-Cal	Cydetin® Eweguard with Selenium and Vitamin B ₁₂ * Cydetin® Injectable Cydetin® LA Injectable for Sheep Cydetin® Plus Tape Oral Drench* Equest Plus Tape* Moxi-ject 1 % Injectable Solution Moxi-Pro 1 % Moxi-Pro Oral Moxi-Pro T Paste* Pegaquest®* Privexia®	Rilexine® 500 DC* Ubrostar*
Metronidazole Canker Tonic Meditrich			Newcastle disease virus vaccine – also see Newcastle disease virus vaccine in fowls
Miconazole Surolan™ Drops*			AviPro™ 105 ND Chick AviPro™ 201 ND-IB* AviPro™ 304 ND-IB-MG* AviPro™ 441 ND-IB-BTO-REO* AviPro™ ND LASOTA AviPro™ ND VISOTA Avisan Multi* Avisan Multi/Co* Avisan-TRT4* Avivac® ND Avivac® ND-HS Cevac® Corymune 7K* Cevac® Megamune ND-IB-EDS-SHS K* Cevac® ND IB EDS K* Gumbin® VP2* Hipraviar® Clon Hipraviar® Clon/H120* Hipraviar® S Innovax®-ND* Innovax® ND-IBD* Innovaxv ND-ILT* Nectiv Forte Nobilis® RT+IB Multi+G+ND* Struvac® ND Plus TABic®VH Vaxxitek HVT + IBD + ND* V.H. + H-120* Volvac® AC Plus + ND + IB + EDS KV Vaccine*
Milbemycin oxime Milbemax* Milbemax™ Chewable Tablets* Milbemax™ Tasty* Nexgard™ Spectra Chewable Tablets for Dogs*		Mycobacterium avium Avian Tuberculin PPD Mycobacterium bovis Intertest® Bovine PPD Tuberculin Mycobacterium paratuberculosis vaccine (see Paratuberculosis vaccine) Mycoplasma gallisepticum vaccine AviPro™ 104 MG BACTERIN AviPro™ 304 ND-IB-MG* AviPro™ MG F FVax-MG® MG-Bac Nobilis® Mg 6/85 Nobilis® Mg INAC* TS-11 Vectormune® FP-MG* Vectormune® FP-MG + AE*	Newcastle disease virus vaccine in fowls Avinew® Frozen Avinew® Neo Avisan Multi* Avisan Multi/Co* Avivac® ND Avivac® ND-HS Cevac® Corymune 7K* Cevac® ND IB EDS K* Cevac® Vitabron L* Gallimune 203 ND + IB* Gallimune 302 ND + IB + EDS* Gallimune 407 ND + IB + EDS + ART* Gallimune 503 ND + IB + EDS + IC2* Gallimune ND Day Old
Minerals/electrolytes with or without other nutrients Afri-Vit P-E Albac 150® Aminostress Aminovit-H AniMin®* Aviboost™ Aqua-Blok* Aviboost™ Poultry Tonic with Nucleotides* Bovikalc® Bovikalc® Dry* Byboost Kal-Ci-Phos with Extra Zinc Byboost Scour-Ex* Calgophos Combi-Dose 4* Dexiron 200 Diakur® Plus* Diomec Plus* Diomec Plus Powder* Electroguard Gel* Embamin T.E. Ivermax + Minerals* Ivermax Metabolic* Lectade®* Medilyte Micromin B* Micromin O* Micromin O+* Mirra-Cote® with Biozinc* Moriara Ringers-Vet Solution Multimin® + Se + Cu + Cr Cattle*	Molasses AniMin®* Browse Plus® Eze-Graze* Rumix* Mometasone furoate Mometamax®* Neptra™ Posatex®* Monensin Aniban Avensin 40 Ceva Ancoban 200 Elancoban® 200 Monimax®* Monotec® 200 Poulcox® 20 % Rumecox Rumensin® 200 Monepantel Zolvix® 25 mg/ml Monosaccharides (also see Glucose) Epi-Otic®* Fibremax* Moraxella bovis vaccine Piligrad® Pinkeye-1 Trivalent Moxidectin Advocate® for Cats* Advocate® for Dogs* Bravecto® Plus* Cydetin® 0,1 % Oral Solution Cydetin® 1% Injectable	Mycoplasma hyopneumoniae vaccine Fostera® PCV MH* Hyogen Ingelvac MycoFLEX® M+PAC® Porcilis® PCV M Hyo* Porcilis® PCV M Hyo ID Once RespiSure® RespiSure-One™ Mycoplasma synoviae vaccine Vaxsafe MS N-acetylglucosamine Furinaid Plus* Narasin Maxiban® 160* Monteban® 100 Neomycin Mastijet Forte* Rilexine® 200 LC*	



CHLAMYVAX
Reg. No. G4535 (Act 36/1947)


CHLAMYVAX guards against enzootic abortion, infertility & eye infections in cattle, sheep and goats.



Clostrivax B+
Reg. No. G4484 (Act 36/1947)

Clostrivax B+ is the only 10 antigen multi-clostridial formulation that protects against ANTHRAX & BOTULISM in cattle; and Mannheimia haemolytica leukotoxin that causes bovine respiratory disease.

Gumbin® VP2* Hatchpak Avinew® Innovax®-ND* Innovax®-ND-IBD* Nectiv Forte Newxxitek HVT + ND* Nobilis® G+ND* Nobilis® IB+G+ND* Nobilis® IB Multi+ND+EDS* Nobilis® IB+ND* Nobilis® IB+ND+EDS* Nobilis® Ma5 + Clone 30* Nobilis® ND Broiler Nobilis® ND C2 Nobilis® ND Clone 30* Nobilis® Newcavac Nobilis® Reo+IB+G+ND* Nobilis® RT+IB Multi+G+ND* Struvac® ND Plus Tabic® V.H. Vaxxitek HVT + IBD + ND* V.H. + H120* Vectormune® HVT NDV* Vectormune® HVT NDV & Rispens* Vectormune® ND* Volvac® AC Plus + ND + IB + EDS KV Vaccine*	Revalor® S* Revalor® XR* Revalor® XS* Synovex®-Plus***	Reverin LA 230 Tenaline® LA Terra-Cortril® Eye/Ear Suspension* Terralon® LA Terramycin® 100 Injectable Solution Terramycin® LA Injectable Solution Terramycin® Wound Spray TM Q Ultratet Ultratet L.A. Ultratet L.A 200	Exspot® Spot-On for Dogs Shoo-Fly® Ointment* Shoo-Fly® Spray* Ultrum® Plus*
Oestriol Incurin® Tablets			Peru balsam Debrizyme*
Olaquinox Ceva Olaquinox 10 %			Petrolatum Laxapet*
Omeprazole Omepracote			Phenamide isethionate B Phenamidine
Orbifloxacin Posatex®			Phenazone Dizene® Cattle* Rednil*
Oreganum Bupocox-L* Oregro-HS®* Oregro-L®*			Phytase OptiPhos® Plus 5 000 CT* OptiPhos® Plus 10 000 CT* OptiPhos® Plus 5 000 G* OptiPhos® Plus 10 000 G* Stress Care L*
Oxantel pamoate Antezole® Dog Tablets*		Oxytocin Fentocin Intertocin-S	
Oxfendazole Flukazole C* Paranthic 10 %		Parainfluenza type 3 (PI3) virus vaccine Bovilis® Vista 5L5 SQ* Bovilis® Vista Once SQ*	Pigeon pox virus Medipox
Oxyclozanide Douvistome Levisan* Levoxy 5,9 %* Nem-A-Fluke®*			Pimobendan Vetmedin 1,25 mg, 2,5 mg, 5 mg and 10 mg Chewable Tablets
Oxypropylene Bloat Guard®			Pine oil Zeropar® Aerosol*
Oxytetracycline Bactefort® Compudose® 100 Eco Afterbirth Pessaries* Engemycin® 10 % Engemycin® Spray Hi-Tet 120 Hi-Tet 200 L. A. Gold Maxitet 10 % Maxitet 13,5 % Maxitet 23 % LA Maxitet-LA Medi-Vital Plus* Oxytet FG 200 Oxytetracycline 5,5% Panthox Panthox d-Panthenol* Phenix® Oxytetracycline 20 % FG PMX Protet 10 (20%) Reverin 135		Paratuberculosis vaccine Gudair Vaccine	Piperazine citrate Bayopet® Wormol
Nicarbazin Aviax® Plus* Koffogran® 25 % Premix Maxiban® 160* Monimax®*		Paromomycin Parafor Crypto 140 mg/ml	Piperonyl butoxide Amipor® Bayopet® Baccidp® Plus* Coopers Deca-Spot® 0,5 % Pour-On* Coopers Triatix® Plus Pour-On* Cura-Spray Delete®* Delete® All* Deltadip Pour-On* Deltadip Tick Grease* Deltapor® 5* Deltapor® 10 Plus* Equiworld Fly Repellent for Horses and Dogs* Eraditick® Grease* Eraditick® Plus Pour-On Fly Repel for Dogs* Quadrepel® Shoo-Fly® Ointment* Shoo-Fly® Spray*
Niclosamide Lintex-L			
Nitenpyram CAPSTA™			
Nitroxynil Symphony™ Wirecide F			
Novaluron Expel Plus Jetting Fluid*			
Nystatin Medistatin			
Oclacitinib Apoquel			
Oestradiol/oestradiol benzoate Component® TE 140/28 + Tylan®* Compudose® 100 Compudose® 200* Revalor® G* Revalor® H*		Pasteurella multocida vaccine Avivac® PM/SE/ST* BarVac® 10* Bovilis® Vista Once SQ* Bovilis® Vista Once PMH SQ* Multisomni* Ovi-Clos P* Ovipast* Ovivax* Porcilis® AR-T DF*	



Clostrivax O
Reg. No. G4487 (Act 36/1947)

Clostrivax O is a 9 antigen multi-clostridial formulation that protects against the most important veterinary clostridial diseases and pneumonia in sheep.





<div><div>BLU-VAX Reg. No. G4534 (Act 36/1947)</div><p>BLU-VAX is a formalin-inactivated polyvalent bluetongue virus (BTV) vaccine for the active immunisation of healthy sheep against bluetongue disease (BTV serotypes 1, 2, 3, 4, 5, 7, 12, 13, 16, 17 and 24).</p></div>		<div></div>		<div><div>Clostrivax B+ Reg. No. G4484 (Act 36/1947)</div><p>Clostrivax B+ is the only 10 antigen multi-clostridial formulation that protects against ANTHRAX & BOTULISM in cattle; and <i>Mannheimia haemolytica</i> leukotoxin that causes bovine respiratory disease.</p></div>		<div></div>								
<p>Supplements including electrolytes, amino acids, essential fatty acids, plant sterols and/or other nutrients</p> <p>Afri-Vit P* Afri-Vit P-E Afri-Vit Stress* Amino-B* Aminostress Aminovit-H Aviboost™ Aqua-Blok* Aviboost™ Poultry Tonic with Nucleotides* Bio-Derm Forte* Bio-Vita Boost* Bovi-Min® Gel* Byboost Calf* Byboost Cattle* Byboost Kickstart* Byboost Lamb and Kid* Byboost Lamb and Kid + Copper (Cu)* Byboost Liquigise Energy Booster Byboost Scour-Ex* Byboost Sheep and Goats* Byboost Sheep and Goats + Copper* CalmTrophan Gel for Cats CalmTrophan Gel for Dogs Calmequin* Canigest* Corn Oil Plus Diomec Plus* Diomec Plus Powder* Efazol* Efazol Plus* Electroguard NF Gel* Elite Equine Digestive Aid* Equitop Myoplast®** Equitop Pronutrin® Esbilac Feed Booster Furinaid Plus* GCS Joint Care Advanced Gel for Cats* GCS Joint Care Advanced Liquid for Dogs* GCS Joint Care Advanced Powder* GCS Joint Care Advanced XL Powder*</p>		<p>Hematover® Plus HT20* Ivermax Metabolic* Kyroligo Injection Lectade®** Lewerstim Medicote Medilyte Medimune Powder Medimune Tablets Mino Max* Mirra-Cote® Mirra-Cote® with Biozinc* Moriana Ringers-Vet Solution NutraDryl®* OptiBoost* OptiLumen Dairy* OptiLumen Neo* OptiLumen Sheep and Goats + Cu* Ovi-Min® + Cu* Petflex* Plume-Plus Porcistart™ Premolt 5 Premalt 100 Recharge* Rigly® Endurance Paste Rigly® Ener-gee Rigly® Equicalm Sabax Plasma Vet Salmon Oil Sedoline* Stressmix Sweatmix Thrive P* Vita-Kelp Wonder Immune Potentiator</p> <p>Swine erysipelas vaccine [see erysipelas (pigs)] Swollen head syndrome (SHS) in fowls vaccine Avisan-TRT4* Hipraviar®-SHS* Hipraviar®-TRT Nemovac</p> <p>Telmisartan Semintra® 4 mg/ml Oral Solution Semintra® 10 mg/ml Oral Solution</p> <p>Terbinafine Nepra™**</p>		<p>Tetanus vaccine (see Clostridium tetani vaccine)</p> <p>Tetracycline Mastijet Forte*</p> <p>Thiabendazole Magistral PF®</p> <p>Thiafentanil Thianil</p> <p>Thioctic acid Rigly® Liver Tonic* Tioctan Vet</p> <p>Thimerosal (thiomersal) Circovac®* EquiVac EHV-1/4 Fostera® PCV* Metastim* Glanvac® 3* Gumbin® VP2* Multivax-P* Multivax-P Plus* Nobilis® Coryza* Nobilis® Mg INAC* Nobilis® Salenvac T*</p> <p>Thiomersal (see Thimerosal)</p> <p>Tiamulin hydrogen fumarate Denagard® 10 % Feed Premix Denagard® 45 % Granulate</p> <p>Tildipirosin Zuprevo® 4 % Zuprevo® 18 %</p> <p>Tilmicosin Micotil® 300 Tilmovet® 200 g/kg Premix Tilmovet® 300 mg/ml</p> <p>Tiludronic acid Tildren</p> <p>Tolfenamic acid Tolfedine Injectable Tolfedine Tablets</p> <p>Toltrazuril Baycox (Coccidiacide) 2,5 % Baycox (Coccidiacide) 5 % Forceris* Oxitril Procox®**</p> <p>Trenbolone acetate Component® TE 140/28 + Tylan®** Revalor® G* Revalor® H* Revalor® S* Revalor® XR* Revalor® XS* Synovex®-Plus™**</p> <p>Triflumuron Trigger Strike</p>		<p>Trichlorfon Uni-Dose</p> <p>Trichoderma longibrachiatum Hostazym® X 100 MicroGranulate* Hostazym® X 30 000 MicroGranulate*</p> <p>Triclabendazole Ecofluke Endex®* Flukazole C* Fluxacur NF* Maxifluke Ovi Dose 3* Sovereign®* Trinex Plus 19,5 %*</p> <p>Trimethoprim Amphoprim* Biaprim Oral Solution* Coliprim* Cosumix® Plus* Kyrotrim Injection* Medi-Vital Plus* Sulfatrim* Sulmetrim Plus NF* Trimethoprim* Sulpha Powder Tri-Methosulf*</p> <p>Tritrichomonas foetus vaccine TrichGuard®</p> <p>Trypsin Debrizyme*</p> <p>Tulathromycin Draxxin® 25 mg/ml Draxxin® 100 mg/ml Draxxin® Plus 100 mg/ml + 120 mg/ml* Macrosyn 100 mg/ml Tulissin 100</p> <p>Turkey herpes virus vaccine Cevac® IMD HVT & Rispens Innovax® ILT* Innovax®-ND* Innovax® ND-IBD* Innovax® ND-ILT*</p> <p>Turkey rhinotracheitis virus vaccine Avisan-TRT4* Hipraviar®-SHS* Nobilis® Rhino CV</p> <p>Tylosin Bactofos Plus®** Component® TE 140/28 + Tylan®** Longstim Pharmasin 100 %</p>		<p>Promote® Tylan 100™ Tylan® Soluble Tyleco® FG 100 Tylobiotic Tyloxod* Tylosin 10% Tylosin Tartrate Pure Phenix® Tylo-Ten Tylovet® 10%</p> <p>Tyvalosin Aivlosin FG 50 Aivlosin Water Soluble Powder</p> <p>Undecylenic acid Curatex*</p> <p>Vermiculite Toxidex*</p> <p>Virginiamycin Stafac® 500</p> <p>Vitamins and minerals with or without other nutrients Amino-B* Aminostress Aminovit-H Antrovite Metaphos Aviboost™ Aqua-Blok* Aviboost™ Poultry Tonic with Nucleotides* Bayopet® Blue Liquid Bayopet® Vita-Fit®** B-Co Bolic B-Co Phos Injection Bio-Derm Forte* Bio-Vita Bloodstim Boost* Bovi-Min® Gel* Bovi-Thrive Calf (Ashkan) Bovi-Thrive Cattle (Ashkan) Byboost Calf* Byboost Cattle* Byboost Kal-Ci Phos with Extra Zinc Byboost Kickstart* Byboost Lamb and Kid* Byboost Lamb and Kid + Copper (Cu)* Byboost Rota-Paste Byboost Scour-Ex* Byboost Sheep and Goats* Byboost Sheep and Goats + Copper* Ca-Dog Calcimax* Calfgrow*</p>		<p>CalmTrophan Gel for Cats CalmTrophan Gel for Dogs Calmequin* Catosal® 10 % Combi-Min Cattle Combi-Min Sheep and Goats Complex + A&E for Cattle Complex + A&E for Sheep and Goats Complex-AD₃E + Minerals Dairy-Min® Gel Dairy-Min® Super Debrizyme* Efazol* Efazol Plus* Electroguard Gel* Elevite Plus Embavit Hematover Plus Hen Fertility Tablets Horse Power Vitamin Mineral Supplement HT20* Iver-Ject Metabolic* Ivermax Metabolic* Kittymilk Kyroligo Injection Kyrophos Metabolic-V Injection Kyrovalit-15 Injection Liquid SeeVitE Metastim Milko-Pup Mino Max* Multimin® + Se + Cu + Cr Cattle* Multimin® + Se + Cu Cattle* Multimin® + Se + Cu Sheep and Angora Goats* Multimin® + Se Cattle, Sheep and Angora Goats* Multimin® + Se Sheep and Angora Goats* Optiboost* Optiboost* OptiLumen Dairy* OptiLumen Neo* OptiLumen Sheep and Goats* OptiLumen Sheep and Goats + Cu* Ovi-Min® Gel Ovi-Min® + Cu* Ovi-Thrive Lamb and Kids (Ashkan)* Ovi-Thrive Lamb and Kids + Copper (Ashkan)*</p>		<p>Ovi-Thrive Sheep and Goats (Ashkan) Ovi-Thrive Sheep and Goats + Copper (Ashkan) Petflex* Pharlap Powder Phenix® Stresspac for Poultry and Ostriches Piet Schoeman's Boost Tablets Predator Repensol* Scrumpets Speed-Plus Super Boost (Ashkan)* Vita-Kelp Vitaton</p> <p>Vitamins with or without other nutrients/ingredients AD₃E Afri-Vit P* Afri-Vit P-E Afri-Vit Stress* Antrovite B-Com Bayopet® Vita-Fit®** BIO-D® 500 Complex Forte Powder* Doraject + AD₃E LA* Doravit +AD₃E LA* Doxybiotic-Plus* Energyn Hepavet Tablets Invigor-8 Iver-Ject+AD₃E* Ivermax + AD₃E* Kyrovite A-E Injection Kyrovite B Co Super Laxapet* Liquid E Multivit Multivitamin+ Ocean Gold OptiBoost* Oral-Vit-A Pal's Parrot Tonic Piet Schoeman's B12 Elixir Piet Schoeman's Boost Powder Piet Schoeman's Winning Tonic Porcistart™ Pro-Vit A Rigly® Liver Tonic* Stress Care L* Veriben B12 HC* Vita AD3E Vit-A-Dex Vit-Aid Vitamin A Injection</p>		<p>Vit-A-Plus Vit-B-Co</p> <p>West Nile virus vaccine (see Equine West Nile virus vaccine)</p> <p>Wheat Deccox®** Equitop® Pronutrin* Koffogran® 25 % Premix*</p> <p>Xylanase Hostazym® X 100 MicroGranulate* Hostazym® X 30 000 MicroGranulate*</p> <p>Xylazine Rompun® 2 %</p> <p>Yeast Diakur® Plus* PetDent® Dentabio* Toxidex Primus*</p> <p>Yucca schidigera Copronat®** Magni-Phi®**</p> <p>Zeranol Ralgro® Cattle Implants Ralgro® Sheep Implants</p> <p>Zilpaterol Grofactor® Zilmax®</p> <p>Zinc bacitracin Albac 150®* Calfgrow* Ceva Zinc Bacitracin 15 % Feed Supplement Zinc Bacitracin 15 % Granular</p> <p>Zinc Curatex® Micromin B* Micromin O* Micromin O+* Multimin® + Se + Cu + Cr Cattle* Multimin® + Se + Cu Cattle* Multimin® + Se + Cu Sheep and Angora Goats* Multimin® + Se Cattle, Sheep and Angora Goats* Multimin® + Se Sheep and Angora Goats* OptiLumen Dairy* OptiLumen Neo* OptiLumen Sheep and Goats* OptiLumen Sheep and Goats + Cu*</p>

<div><div>CHLAMYVAX Reg. No. G4535 (Act 36/1947)</div><p>CHLAMYVAX guards against enzootic abortion, infertility & eye infections in cattle, sheep and goats.</p></div>		<div></div>		<div><div>Clostrivax O Reg. No. G4487 (Act 36/1947)</div><p>Clostrivax O is a 9 antigen multi-clostridial formulation that protects against the most important veterinary clostridial diseases and pneumonia in sheep.</p></div>		<div></div>	
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Registration Holders/Distributors

Name of firm	Address	Telephone	Abbreviation in IVS
Afrivet Business Management (Pty) Ltd	PO Box 2009, Faerie Glen 0043	012-817-9060	Afrivet
Alvet Quality Vet Products	PO Box 31788, Kyalami 1684	011-465-5920	Alvet
Animate Animal Health (Pty) Ltd	PO Box 66698, Highveld 0169	0861-264-6283	Animate AH
AniPharm (Pty) Ltd	PO Box 43297, Heuwelsig 9332	051-441-7914	AniPharm
Antrovot Animal Health	PO Box 60577, Pierre van Ryneveld 0045	011-826-2988	Antrovot
Ascendis Animal Health	PO Box 26822, Monument Park 0105	0861-247-463	Ascendis AH
Ascendis Vet (Pty) Ltd	PO Box 573, Century City, Cape Town 7446	010-880-0778	Ascendis Vet
Bayer Animal Health Division	PO Box 143, Isando 1600	011-921-5573	Bayer AH
Biorem Biological Products	PO Box 1157, Oudtshoorn 6620	053-401-0704	Biorem
Biotech Laboratories (Pty) Ltd	Suite 150, P/Bag X 65, Halfway House 1685	011-848-3053	Biotech Vet
Boehringer Ingelheim Animal Health South Africa (Pty) Ltd	Private Bag X3032, Randburg 2125	011-348-2400	Boehringer
Bupo Animal Health	PO Box 75379, Lynnwood Ridge 0040	012-803-4376	Bupo
Central Vet Franchise cc	PO Box 3166, Middelburg 1050	031-244-3082	Central Vet
Ceva Animal Health (Pty) Ltd	PO Box 7707, Halfway House 1685	011-312-4088	Ceva AH
Columbomed (Pty) Ltd	PO Box 266, Fourways 2055	011-706-2184	Columbomed
Coopers Veterinary Products (Pty) Ltd	Private Bag X2026, Isando 1600	0861-838-838	Cooper
Deltamune (Pty) Ltd	PO Box 14167, Lyttleton 0140	012-664-5730	Deltamune
ECO Animal Health SA (Pty) Ltd	PO Box 2009, Faerie Glen 0043	012-991-6416	ECO
Elanco Animal Health	PO Box 2157, Halfway House 1685	012-657-6200	Elanco
Elangeni Animal Health	PO Box 4040, Halfway House 1685	012-657-6041	Elangeni
Health & Hygiene (Pty) Ltd	PO Box 906, Florida Hills 1716	011-474-1668	H & H
Hipra Southern Africa (Pty) Ltd	PO Box 187, Menlyn Retail 0063	012-348-1506	Hipra SA
Huvepharma South Africa (Pty) Ltd	PO Box 2360, Ruimsig 1732	010-003-9393	Huvepharma
Immunovet Services (Pty) Ltd	N1 Business Park, Old Pretoria Road,	012-657-6200	Immuno-Vet
(Elanco Animal Health)	Kosmosdal Ext7, 0157		
Instavet (Pty) Ltd	PO Box 12055, Chloorkop, 1624	011-922-1770	Instavet
Intervet South Africa (MSD)	Private Bag X2026, Isando 1600	0861-838-838	
Kyron Laboratories (Pty) Ltd	PO Box 27329, Benrose, Johannesburg 2011	011-618-1544	Kyron
Kyron Vet Rx and Kyron Animal Health	Companion Animal: 41 Park Avenue, Highway Business Park, Rooihuskraal Ext 31, Centurion Production Animal: 45 Park Avenue, Highway Business Park, Rooihuskraal Ext 31, Centurion	012-346-2095	
Lionel's Veterinary Supplies	PO Box 901, Sanlamhof, Bellville 7532	021-932-2019	Lionel's
Medpet (Pty) Ltd	PO Box 27239, Benrose 2011	011-614-8915	Medpet
Model Product Distributors (Pty) Ltd	PO Box 293, Modderfontein 1645	011-997-3400	Model Products
Moriana Pharmaceuticals	Unit 14, Alphen Square, 16th Road, Midrand 1685	011-314-2264	Moriana
MSD Animal Health (Intervet SA)	Private Bag X2026, Isando 1600	011-923-9300	Intervet SA (MSD Animal Helath)
Onderstepoort Biological Products	Private Bag X7, Onderstepoort 0110	012-522-1500	OBP
Ourofino Animal Health (Pty) Ltd	PO Box 7536, Tygervalley 7536	011-939-4085	Ourofino
Phibro Animal Health	PO Box 5388, Rietvalleirand 0174	012-450-0600	Phibro
Stride Distributors cc	PO Box 1247, Rivonia 2128	012-665-5157	Stride
Super Agri Science	PO Box 4411, Rietvalleirand 0174	065-974-5115	Super Agri
Virbac RSA (Pty) Ltd	Private Bag X115, Halfway House 1685	012-657-6000	Virbac
V-Tech (Pty) Ltd	Private Bag X25, Halfway House 1685	011-805-5703	V-Tech
Wildlife Pharmaceuticals SA	PO Box 2673, Whiteriver, 1240, Mpumalanga	013-751-2328	Wildlife Pharma
Zoetis South Africa (Pty) Ltd	Postnet Suite 53, Private Bag 9976, Sandton 2146	011-245-3300	Zoetis