

Dimedrol-vet 2% BT

20 mg/ml Diphenhydramine hydrochloride

Solution for intramuscular, subcutaneous injection for cattle, sheep, goats, pigs
horses, dogs, cats, ferrets



COMPOSITION PER ML

Diphenhydramine hydrochloride 20 mg

Colorless to pale yellow solution.

INDICATIONS

- For the prevention and relief of allergy symptoms.
- For use in serum sickness, anaphylaxis, anaphylactic shock, itching, atopic dermatitis, allergic conjunctivitis, rhinitis, polyarthritis, articular and muscular rheumatism, blood or blood substitute transfusion related reactions, vomiting, anxiety and insomnia.
- For adjunctive therapy in the treatment of gastrointestinal, respiratory, urogenital infections.
- For premedication prior to anaesthesia.

DOSAGE AND ADMINISTRATION

For subcutaneous or intramuscular injection.

- Cattle, horses, sheep, goats, pigs: 1,25-5 ml per 100 kg body weight 2-4 times a day.
- Calves, lambs, goatlings: 0,06-0,25 ml per 10 kg body weight 2-4 times a day.
- Dogs: 0,05-0,1 ml per kg body weight 3 times a day.
- Cats: 0,025-0,05 ml per kg body weight 2-3 times a day.
- Ferrets: 0,01-0,05 ml per kg body weight 2 times a day.

Premedication prior to anaesthesia: administer by intramuscular or subcutaneous injection at above dosage rates 15-30 minutes prior to surgery.

To ensure precise and accurate dosing to small animals dilute the medicine with water for injection at the rate of 1:10.

PHARMACOLOGICAL PROPERTIES

Diphenhydramine is a potent antihistaminic agent, which possesses antipruritic and sedative effects. It is the hydrochloride salt form of diphenhydramine, an ethanolamine and first-generation histamine antagonist with anti-allergic activity. Diphenhydramine hydrochloride competitively blocks H₁ receptors, thereby preventing the actions of histamine on bronchial smooth muscle, capillaries and gastrointestinal smooth muscle. Diphenhydramine provides sedative, hypnotic and antiemetic effects by blocking M-cholinoreceptors in the central nervous system.

Following intramuscular injection diphenhydramine is well absorbed and widely distributed in the body. It crosses the blood-brain and placental barrier with a plasma protein binding of 98 to 99%. The plasma half-life is between 1-4 hours. It is excreted into milk. Metabolism occurs in the liver to produce benzhydrol, which then becomes conjugated, then unchanged drug and metabolites are excreted renally within 24 hours.

CONTRAINDICATIONS

- Do not use in case of hypersensitivity to the active substance.
- Do not use in case of poisoning with central nervous system depressants.
- Do not use in case of urinary retention, glaucoma, hyperthyroidism.

ADVERSE REACTIONS

- Dry mouth
- Urinary/fecal retention
- The sedative effects may adversely affect the performance of working dogs.

DRUG INTERACTIONS

An enhanced central nervous system depressant effect may occur when diphenhydramine is combined with other central nervous system depressants (hypnotics, analgesics, tranquilizers, sedatives drugs).

Dimedrol-vet 2% BT must not be mixed with barbiturates, amphotericin B, cephalosporins, hydrocortisone sodium succinate, adipodonium in the same syringe.

OVERDOSE

Overdose with diphenhydramine can cause symptoms ranging from CNS stimulation to CNS depression. The usual signs of overdose are sedation, seizures, lethargy, coma, anticholinergic effects, respiratory depression and death. In case of overdose, the medication should be discontinued, diuretics, respiratory and cardiac stimulants, treatment with plasma exchange should be undertaken as appropriate. Phenytoin is the recommended treatment for seizures due to antihistamine overdose. Diazepam and barbiturates should be avoided.

WITHDRAWAL PERIODS

Meat/Milk: 24 hours

SPECIAL WARNINGS

Dispose of any unused product and empty containers in accordance with guidance from your local waste regulation authority.

STORAGE CONDITIONS AND SHELF LIFE

Store in the original package between 5°C to 25°C, protected from light and moisture.

Shelf life of the veterinary medicinal product as packaged for sale: 3 years.

Shelf life after first opening the immediate packaging: 10 days.

Do not use this veterinary product after the expiry date which is stated on the label.

Keep out of the reach and sight of children.

MARKETING PACKAGING

Dimedrol-vet 2% BT is marketed in glass vials of 10, 20, 50, 100, 200, 250, 400, 450 and 500 ml.

MANUFACTURER

Belekotechnika Ltd, 9 Promyshlenny lane, 222823 Svisloch, Pukhovichi region, Minsk area, the Republic of Belarus.

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