MASTITIS MANAGEMENT

MASPRE® Ultimate

Unique Formulation for
faster recovery from Mastitis

Benefits

- Augments the efficacy of antibiotics.
- Supports faster recovery from clinical Mastitis.
- Increases body immunity and reduces the chance of recurrence of Mastitis.
- Improves udder and reproductive health.
- Restores milk pH, quality and milk yield.

Recommended Usage

For cow and Buffaloes: 100 gm daily for 4-5 days.

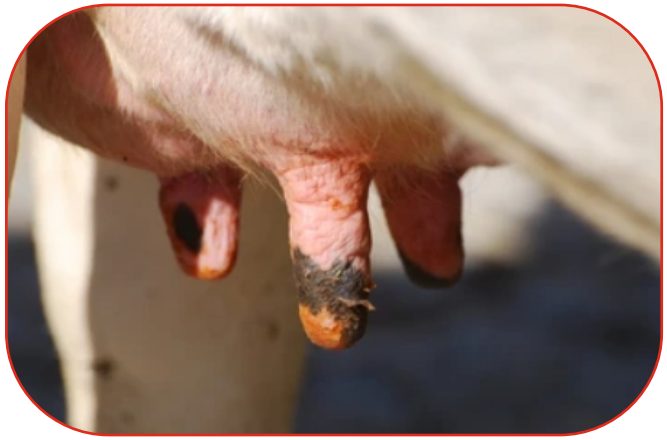
Pack size 100gm

The Best Companion of Antibiotics

AURINKO®
Leading Innovation in Healthcare & Nutrition

Aurivet Division
AURINKO HEALTHCARE PVT. LTD.
Head office: Plot No. 1, Mirzapur, Sec-74, Mirzapur Mor, Ballabhgarh, Faridabad, Haryana-121004, India. **Tel:** +91-129-6662200 (30 Lines), **Fax:** 0129-6660899
Email: info@aurinkohealthcare.com, **Website:** www.aurinkohealthcare.com
Registered Office: 104/B, Kasturi Complex, Judges Bungalow Road, Bodakdev, Ahmedabad, Gujarat-380054, India.

Are Antibiotics Alone Effective in Mastitis?



Biofilms formation provides a physical barrier that shields bacteria and reduces the efficacy of Antibiotics !!!

Introducing
1st Time in India

MASTITIS MANAGEMENT
MASPRE®
Ultimate

Unique Formulation for
faster recovery from Mastitis

Maspre Ultimate is a unique blend of phospholipase, Microbial lysozyme, bacteriocins producing Bacillus and other Probiotics, Vitamins, chelated minerals and enzymes to improve the efficacy of antibiotics & act as adjunct therapy in clinical mastitis.

Composition

Each 100 gm contains:

Trisodium Citrate…....30000 mg	Silica……..2500 mg
Vitamin A……..……200000 IU	S. cerevisiae……100 billion CFU
Vitamin D3……...…100000 IU	A. Oryzae……...1000 million CFU
Vitamin E……..…..…750 IU	B. Coagulans.....1000 million CFU
Vitamin H……..……20 mg	B. Subtilis……25 billion
Vitamin K……..50 mg	B. Licheniformis.....25 billion CFU
Copper glycinate……....1000 mg	Serratiopeptidase……..……100 mg
Zinc glycinate……...3000 mg	Methionine……..……..5000 mg
Manganese glycinate…..3000 mg	Grape polyphenol extract..150 mg
Selenium……...10 mg	MOS complex……20000 mg
Cobalt sulphate……....50 mg	Bromelain……..1000 mg
Potassium Iodide……....10 mg	Microbial Lysozyme..250000 units
Magnesium……...1500 mg	Phospholipase……...1000 units

MASTITIS MANAGEMENT
MASPRE®
Ultimate

Unique Formulation for
faster recovery from Mastitis

Mode of Action

1. Multiply the efficacy of antibiotics:

- High load of pathogenic bacteria decreases the antibiotic sensitivity.
- Phospholipase increases the bactericidal effect, helps antibiotics to penetrate in bacterial cell by increasing the permeability of bacterial cell wall.
- Lysozyme helps to weaken the structural integrity of the bacteria, leading to cell lysis and ultimately bacterial death.*
- Antimicrobial peptides produced by Bacillus species (B. subtilis and B. Licheniformis) referred as bacteriocins. They help in cell lysis of bacteria and helps antibiotics to perform more effectively. Bacteriocins also help in reducing the withdrawal period of antibiotics.**

* Nawaz, Nida, Sai Wen, Fenghuan Wang, Shiza Nawaz, Junaid Raza, Maryam Iftikhar, and Muhammad Usman. "Lysozyme and its application as antibacterial agent in food industry." Molecules 27, no. 19 (2022): 6305.

** Pieterse, Reneé, and Svetoslav D. Todorov. "Bacteriocins: exploring alternatives to antibiotics in mastitis treatment." Brazilian Journal of Microbiology 41 (2010): 542-562.

Novel Formulation To Enhance Antibiotic Efficacy During Mastitis

MASPRE® Ultimate

Unique Formulation for faster recovery from Mastitis

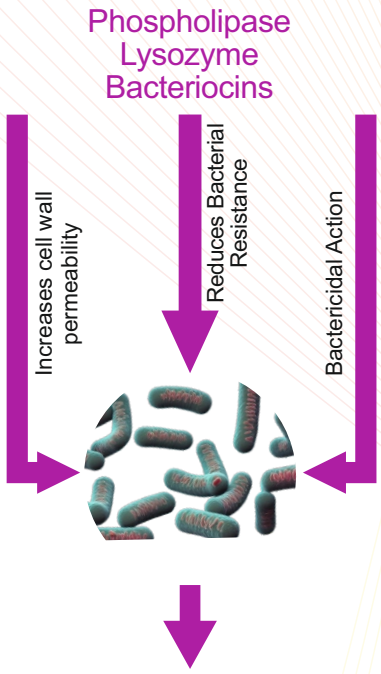
MASPRE® Ultimate

Unique Formulation for faster recovery from Mastitis

2. Reduces bacterial resistance:

- lysozyme also disrupts bacterial biofilms, which are protective coatings formed by bacteria.
- Biofilm disruption reduces bacterial resistance and increases efficacy of antibiotics.

Sahoo, N. R., P. Kumar, B. Bhushan, T. K. Bhattacharya, S. Dayal, and M. Sahoo. "Lysozyme in livestock: a guide to selection for disease resistance: a review." (2012).



Improves antibiotic Sensitivity and Potentiates bactericidal action

3. Improves udder health:

- Bacillus and other Probiotics reduces the pathogenic bacterial load in udder. Vitamin E, Selenium, Silica, Manganese and Grape Polyphenol Extract helps in reducing cellular oxidation and prevent damage to Mammary Epithelium.

4. Immunity modulator & Antioxidant:

- Vitamin A, Vitamin D, MOS, Copper, grape polyphenol extract and Zinc Shows anti-oxidative properties and stimulates immune system to reduce the chance of mastitis recurrence.

5. Anti-inflammatory & Anti Fibrosis:

- Serratiopeptidase, Magnesium and Bromelain have anti-inflammatory and fibrolynatic properties that helps in reducing udder inflammation and Prevent fibrosis.

6. Improves Digestive Performance

- Methionine, Saccharomyces cerevisiae supports rumen microbial proliferation, which is essential for efficient rumen fermentation and overall digestive health in ruminant thus helps in increasing milk production.
- Aspergillus oryzae produces enzymes which break down complex plant fiber, improves feed efficiency and produce energy.

7. Restores milk quality & quantity:

- Tri-sodium citrate buffers the milk pH, thereby contributing to the prevention of subclinical mastitis.
- Potassium iodide helps In metabolism and generate energy.
- Biotin increases propionate production leads to higher energy and milk production in animals.animals.

Novel Formulation To Enhance Antibiotic Efficacy During Mastitis