

## **MASTIYET POWDER**

### **DESCRIPTION**

**MASTIYET POWDER** is a synergistic association of polymyxin, neomycin and spiramycin in premix powder.

### **TECHNICAL PROPERTIES**

The association of polymyxin, neomycin and spiramycin possesses a very wide action spectrum as Polymyxin is active with Gram-negative bacteria, Spiramycin with Gram-positive bacteria and Neomycin with aerobic Gram-negative bacteria.

Polymyxin B is a polypeptidic antibiotic primarily used for resistant gram negative infections. Polymyxins bind to the cell membrane and alters its structure making it more permeable. The resulting water uptake leads to cell death. Specially useful in the fight against *Salmonella*, *Pseudomona*, *E. coli*, *Shigella*, *Proteus*, *Pasteurella*, *Klebsiella*, *Bordetella* and *Enterobacter*.

Spiramycin, a well-established macrolide, has such a structure and is also active against most common respiratory tract pathogens. It has been proven to have good penetration into respiratory tract tissues and fluids.

Similar to other aminoglycosides, neomycin has excellent activity against Gram negative bacteria, and has partial activity against Gram positive bacteria. It interferes with protein synthesis in sensitive bacterial cells such as species of *Proteus* and *Staphylococcus* and is not absorbed from the gastrointestinal tract, being used to treat intestinal infections.

### **INDICATIONS AND SPECIES**

Intended for pigs, sheep, goats and cattle in the treatment of diarrhoeas in young animals, oedema disease caused by *E. coli* and neumoenteritis.

### **COMPOSITION**

B polymyxin	15.000 I.U.
Spiramycin	15 mg
Neomycin	30 mg
Excipient to	1 g

### **DOSAGE**

It is administered orally mixed with the drinking water at doses of 1 to 2 gram per litre for 3 to 5 days.

### **INCOMPATIBILITIES**

Do not use with acidifiers nor with carbenicillin. It can increase the toxicity of cephalosporins.

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### **CONTRAINDICATIONS**

Do not use in animals hypersensitive to the antibiotics present in the product. Do not administer to animals with renal insufficiency. It is recommended not to use in animals that are being treated for hypocalcaemia.

### **PACKAGING**

1 kg aluminium bags and 25 kg paper bags.

### **WITHDRAWAL PERIOD**

Meat: 4 days.

Milk: 1 day.

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