

COLISEL-50

POWDER

For Veterinary Use Only

STATEMENT OF ACTIVE SUBSTANCE (S) AND OTHER

INGREDIENTS:

Each gm contains
Colistin Sulphate 5,000,000 IU

INDICATIONS:

Colisel-50 Powder is indicated for the control and treatment of gastrointestinal infections caused by colistin sensitive microorganisms like *Pseudomonas aeruginosa*, *E.coli* and *Salmonella* species in calves and poultry.

PHARMACODYNAMICS:

Colistin is a polypeptide antibiotic being rapidly bactericidal in action. It is a cationic, surface-active agent that disrupts the structure of the cell membrane phospholipids and increases cell permeability by a detergent-like action. It is highly active against many species of Gram-negative organisms, such as *Escherichia coli*, *Salmonella* spp. and *Pseudomonas aeruginosa*, but not against Gram-positive bacteria.

Acquired resistance against colistin is rare.

The absorption of colistin from the gastro-intestinal tract is slow and limited, therefore it acts primarily against susceptible bacteria in the gastro-intestinal tract.

PHARMACOKINETIC:

Colistin sulfate is very poorly absorbed from the gastrointestinal tract. Following oral administration high concentrations are achieved in the gastrointestinal tract, i.e. the target site, due to the poor absorption of the substance. In serum and tissues, the concentrations of colistin are very low. In contrast, it is persistently present and in large quantities in different sections of the digestive tract. No metabolism was observed. Colistin sulfate is almost exclusively eliminated in the faeces.

CONTRAINDICATIONS:

Do not use in horses, particularly in foals, since colistin, due to a shift in the gastrointestinal microflora balance could lead to the development of antimicrobial associated colitis, typically associated with *Clostridium difficile*, which may be fatal.

Do not use in case of hypersensitivity to colistin or to any of the excipients.

Do not use in case resistance to polymyxins.

ADVERSE REACTIONS:

Colisel-50 Powder is of low toxicity and side-effects are very rarely encountered. If suspected adverse reactions do

occur, treatment should be discontinued. During the toxicological and clinical examinations no undesirable effects were detected.

Target species:

Poultry & Livestock

Dosage for each species, route(s) and method of administration:

Administer the following dose orally, mixed in the drinking water or feed.

Poultry:

1gram per 12 liters of drinking water for 3 days.

Calves:

2.5gram per 200kg body weight, twice daily for 5-10 days mixed with feed.

Special storage precautions:

Store between 15-25°C in a cool and dry place.

Use medicated drinking water within 24 hours.

Keep out of the sight and reach of children.

Protect from moisture

Consult the veterinarian before use only.

Innovator's Specs.



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