

Oral Solution Navacol Vet

Only for the use of animals

Composition:

Each ml oral solution contains Colistin Sulphate BP 24,00,000 IU.

Pharmacology:

Colistin is a polypeptide antibiotic of Polymyxin group. It has bactericidal activity on Enterobacteriaceae family. It is commonly used against gram negative infections of digestive tract in poultry and ruminants caused mainly by *E. coli*, *Salmonella* spp. etc. Colistin acts locally in the gut when administered orally. Development of antibiotic resistance to colistin is rare.

Mode of Action:

Colistin, the cationic polypeptide binds with the anionic Lipopolysaccharide molecules by displacing Calcium and Magnesium from the outer cell membrane of Gram-negative bacteria leading to permeability change in the cell membrane causes death of the organism.

Indication:

Colistinsulphate is indicated mainly for treatment of gastrointestinal infections caused by gram negative bacteria of poultry and large animals i.e Colibacillosis, Pseudomoniasis, Salmonellosis, Shigellosis, Campylobacteriosis etc.

Dosage and administration:

For oral administration only

Poultry-

1ml /2-4 liters of drinking water for 3-5 days

Cattle, Calf, goat & sheep-

1ml /40 kg body weight twice daily for 3-5 days.

Medicated drinking water should be replaced every 24 hours

Or as directed by the registered veterinary physician.

Shake the bottle well before use.

Contra-Indications:

Do not use in animals hypersensitive of colistin.

Special Precaution:

Special precaution to be taken by person administering the medicinal product to animals. Wash hands and exposed skin after administering the product. Avoid contact with skin and eyes. In case of accidental eye contact flush the affected eye with copious amounts of clean running water.

Side Effects:

Common- No side effects observed when administered orally and prescribed dose is followed.

Rare- None.

Drug Interaction:

With medicine- Colistin is synergistic with a wide variety of antimicrobial agents, including: erythromycin, tetracyclines, sulphonamides, trimethoprim and bacitracin. Its action is inhibited by bivalent cations such as Ca²⁺ and Mg²⁺; unsaturated fatty acids and quaternary ammonium compounds.

With feed- Not known.

Use in pregnancy and lactation:

Special precaution should be taken when use in pregnant animals.

Withdrawal Period:

Meat- Should not be consumed upto 1 day after use of the drug.

Egg- 0 (zero) day.

Storage:

Store below 30°C temperature & in a dry place, protected from light. Keep all medicines out of reach of children.

Packing:

1 liter HDPE bottle.

Manufactured by

Navana Pharmaceuticals Ltd.

Rupshi, Rupganj, Narayanganj, Bangladesh

