

COLIMOXIN FORTE

For Veterinary Use Only

COMPOSITION:

Each gram contains
Amoxicillin Trihydrate.....20g
Colistin Sulphate.....80MIU

PHARMACOLOGICAL PROPERTIES:

Antibacterial for systemic use.

The composition of the drug includes combination of amoxicillin and Colistin, which has a synergistic antimicrobial effect.

Amoxicillin is a broad-spectrum semi-synthetic antibiotic of the penicillin group, which has bactericidal effect against gram-positive and gram-negative microorganisms (*E. coli*, *Campylobacter* spp., *Corynebacterium* spp., *Erysipelothrix* spp., *Clostridium* spp., *Streptococcus* spp., *Staphylococcus* spp., *Actinobacillus* spp., *Haemophilus* spp., *Pasteurella* spp., *Proteus mirabilis*, and *Salmonella* spp.). Amoxicillin prevents synthesis of bacteria cell walls, inhibiting the activity of enzymes of transpeptidase and carboxypeptidase, which causes osmotic balance disorders, resulting in death of microorganisms at their growth stage.

Amoxicillin remains stable in stomachs of animals. It is absorbed in larger quantities from digestive tract as compared to ampicillin when administered orally. Amoxicillin is quickly distributed in body fluids, particularly – in synovial fluid. Its plasma protein binding level reaches 37-38%. The half-life period makes 0.7-1.4 h. It is primarily eliminated from the body with urine.

Colistin is an antibiotic of the polymyxin group, which demonstrates an effective bactericidal activity against gram-negative microorganisms (*E. coli*, *Salmonella* spp., *Pasteurella* spp., *Haemophilus* spp., *Bordetella* spp.). The mechanism of action of colistin consists in violation of integrity of bacterium cytoplasmic membrane. Antibiotic interacts with phospholipids and penetrates inside, destroying the cell membrane structure, permeability of which changes soon after interaction with the drug. Except for antibacterial effect, colistin binds phospholipid A and neutralizes biological effect of bacterial endotoxin.

Colistin is poorly absorbed in intestinal tract, therefore, it acts effectively in treatment of diseases of digestive tract. In contrast to low concentrations of colistin in blood serum and tissues, its concentration in various segments of digestive tract is constantly high. Particularly, concentration of the antibiotic is higher in colon and caecum as compared to concentration in oral cavity. Colistin is poorly absorbed systemically following its oral administration: 40% of the antibiotic accumulates in an unchanged form in feces, 60% is bound to phospholipids and liposaccharides of gram-negative bacteria. It is eliminated with feces.

INDICATIONS:

COLIMOXIN FORTE is indicated for necrotic enteritis, colibacillosis, infectious coryza, fowl cholera, fowl typhoid and

other gastrointestinal, respiratory and urogenital infections.

CONTRAINDICATIONS:

Do not prescribe to animals with hypersensitivity to colistin and amoxicillin as well as with kidney injuries. Do not use concurrently with chloramphenicol, tetracyclines and sulfanilamides. Do not administer to ruminants with functionally developed proventriculi and hens laying eggs for human consumption.

DOSAGE AND ADMINISTRATION:

Prevention: 1gram per 4 liters of drinking water for 3 days.

Treatment: 1gram per 2-3 liters of drinking water for 3-5 days till the disappearance of disease or as directed by the veterinarian.

WITHDRAWAL TIME:

Meat: 08 days.

PRECAUTIONS:

Use medicated drinking water with 24 hours.

Consult the veterinarian before use.

Keep out of the reach of children.

Protect from light and moisture.

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

Innovator's Specs.



Manufactured by:
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