

Antikoli

Colistin Sulphate

Oral powder

For veterinary use

Composition

1 g of powder contains:

Colistin sulphate – 0.058 g

Pharmacological Properties

Colistin sulphate is a cyclic polypeptide antibiotic derived from polymyxin E and belongs to the polymyxin therapeutic group. It has bactericidal activity against Gram-negative microorganisms.

Sensitive organisms include:

Escherichia coli, and certain species of Enterobacteriaceae: *Klebsiella spp.*, *Salmonella spp.*, *Shigella spp.*, *Pseudomonas aeruginosa*, and *Haemophilus influenzae*.

Resistance to colistin sulphate has not been recorded.

The mechanism of action is based on disruption of the bacterial outer membrane and cytoplasmic membrane structure, leading to bacterial cell death.

Indications

Used for prevention and treatment of diseases caused by colistin-sensitive bacteria in:

- Cattle
- Sheep
- Goats
- Pigs
- Poultry

Indicated for:

- Gastrointestinal infections
 - Colibacillosis
 - Salmonellosis
 - Bacterial diarrhea
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Side Effects

No side effects observed when used at recommended doses.

In highly sensitive animals, renal dysfunction, neurotoxicity and neuromuscular blockade may occur.

Contraindications

Do not use in combination with other antibacterial products.

Target Species

Cattle, small ruminants, pigs, poultry.

Dosage and Administration

Administer orally once daily, mixed with feed or drinking water.

- Calves, goats, sheep: 5 g per 100 kg body weight for 5–7 days
 - Pigs: 1 kg per 1000 L drinking water or mixed into 500 kg feed for 5–7 days
 - Poultry: 0.7 kg per 1000 L or 1 kg per 1500 L drinking water, or mixed into 750 kg feed
Treatment duration: 3–5 days
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Withdrawal Period

Slaughter for meat: 3 days after last administration.

Eggs: no restriction.

Special Warnings

Repeated or prolonged use should be avoided through improved hygiene and disinfection practices.

Use in poultry must comply with national legislation and regulations.

Due to possible changes in bacterial susceptibility, bacteriological testing and sensitivity testing are recommended.

Improper use may increase colistin-resistant bacteria and reduce effectiveness of other polymyxin antibiotics due to cross-resistance.

Do not leave medicated water accessible to other animals.

Precautions for the Person Administering the Product

Avoid direct skin contact and inhalation. Wear protective gloves.

In case of contact, wash thoroughly with soap and water.

If irritation persists, seek medical advice.

Persons hypersensitive to colistin should avoid contact.

Use During Pregnancy, Lactation or Laying

No severe adverse cases registered.

Use only after veterinary risk/benefit assessment.

Interactions

Cross-resistance with polymyxin B.

Incompatibility

Do not mix with other products.

Overdose

Symptoms unknown.

Storage Conditions

Store in a dry place protected from light at room temperature.

Keep out of reach of children.

Shelf life: 3 years.

Presentation

250 g oral powder in triple-layer laminated sachet
(PET / Aluminum / Polyethylene)

Pharmacotherapeutic Group

Systemic antibacterial agent, antibiotic

ATC vet code: QJ01XB01

Manufacturer Country

Biotecs, Georgia, Tbilisi, Yumashvili St. #8