

## Sultrim 240 – Oral Powder for Veterinary Use

Pharmacotherapeutic Group: Systemic antimicrobial, antibacterial agent.

Target Species: Cattle, swine, rabbits, poultry, carnivorous animals.

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### Composition

1 g of powder contains active ingredients:

- Sulfamethoxazole – 200 mg
- Trimethoprim – 40 mg

Excipients: Lactose

Description:

Uniform white or grayish-white powder with a characteristic specific odor.

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### Pharmacological Properties

The product is a combined antimicrobial agent. Its action is determined by the properties of sulfamethoxazole and trimethoprim, whose synergistic effect provides a broad-spectrum bactericidal activity against Gram-positive and Gram-negative microorganisms, including:

- *Streptococcus spp.*, *Staphylococcus spp.*, *Streptococcus pneumoniae*, *Enterococcus faecalis*,
- *Brucella spp.*, *Chlamydia spp.*;
- *Escherichia coli* (including enterotoxigenic strains), *Salmonella spp.*, *Shigella spp.*, *Pasteurella spp.*, *Bordetella pertussis*, *Proteus spp.*, *Enterobacter spp.*, *Klebsiella spp.*, certain species of *Pseudomonas*,
- *Listeria spp.*

The product is also effective against protozoa (*Plasmodium spp.*, *Toxoplasma gondii*) and certain pathogenic fungi (*Mycobacterium spp.*, *Actinomyces israelii*, *Coccidioides immitis*, *Histoplasma capsulatum*, *Leishmania spp.*).

Sulfamethoxazole exerts a bacteriostatic effect by interfering with para-aminobenzoic acid utilization and inhibiting dihydrofolic acid synthesis. Trimethoprim reversibly inhibits bacterial dihydrofolate reductase, an enzyme involved in folic acid metabolism. Together they block purine and nucleic acid biosynthesis essential for bacterial growth and replication. Under certain conditions, a bactericidal effect may occur.

After oral administration, the active substances are rapidly absorbed from the gastrointestinal tract, reaching maximum concentration within 2–3 hours and maintaining therapeutic levels for up to 24 hours. The drug is partially metabolized and excreted mainly by the kidneys (60–80% unchanged) via urine, and partially via bile, saliva, and milk.

According to the degree of impact on the animal body, the product belongs to low-hazard substances (Hazard Class 4). At recommended doses, it has no sensitizing, embryotoxic, teratogenic, or mutagenic effects.

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#### Indications for Use

Sultrim 240 is used for the treatment of bacterial infectious diseases in cattle, swine, rabbits, and poultry caused by microorganisms sensitive to the drug, including:

- Respiratory tract infections;
- Gastrointestinal infections;
- Urinary and genital infections;
- Secondary infections during viral diseases;
- Skin and soft tissue infections (acne, furunculosis, abscess, pyoderma, wound infections);
- Protozoal infections (coccidiosis).

#### Cattle:

Diarrhea, salmonellosis, pasteurellosis, pneumonia, staphylococcal abscesses, genitourinary infections, mastitis.

#### Swine:

Colibacillosis, atrophic rhinitis, salmonellosis, pasteurellosis, toxoplasmosis, haemophilus pleuropneumonia, erysipelas.

Rabbits:

Coccidiosis, salmonellosis, staphylococcosis.

Poultry:

Coccidiosis, pasteurellosis, colibacillosis, salmonellosis, staphylococcosis, infectious coryza.

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### Dosage and Administration

Administer orally, mixed with feed or dissolved in water.

For cattle, swine, poultry, rabbits:

- In drinking water:  
Day 1 – 1 g per 1 L of drinking water;  
Next 2–3 days – 0.5 g per 1 L of drinking water.
  - In feed:  
Day 1 – 2 g per 1 kg of feed;  
Next 2–3 days – 1 g per 1 kg of feed.
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### Side Effects

No side effects or complications have been observed during use.

In dogs, cats, and swine with increased sensitivity to sulfonamides, vomiting, loss of appetite, diarrhea, polyarthritis, or allergic skin reactions may occur. In such cases, discontinue use.

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### Contraindications

Hypersensitivity to the product; pregnancy and lactation; not recommended for adult ruminants.

Contraindicated in severe disorders of hematopoietic organs (anemia), liver (acute hepatitis), and kidneys (nephritis).

During prolonged use, blood parameters should be monitored.

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### Drug Interactions

Not compatible with other antibiotics, coccidiostats, or para-aminobenzoic acid derivatives (procaine, tetracaine).

Do not use in combination with hexamethylenetetramine (methenamine).

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#### Withdrawal Period

Animals may be slaughtered for meat 5 days after the last administration.

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#### Packaging

250 g.

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#### Storage Conditions

Store in a dry place protected from light at a temperature not exceeding 25°C.

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#### Shelf Life

3 years.

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#### Manufacturer

Biotecs LLC, Georgia, Tbilisi, 8 Iumashevi Street.