

DOTRIM-S

Sulphachlorpyridazine Sodium 100 mg + Trimethoprim I.P. 20 mg Veterinary Oral Powder For Veterinary Use

Description

This formulation is a **synergistic combination** of **Sulphachlorpyridazine**, a potent sulphonamide antibiotic, and **Trimethoprim**, a diaminopyrimidine antibacterial. Together, they act by sequentially inhibiting bacterial folic acid synthesis — enhancing bacteriostatic and bactericidal activity against a broad range of Gram-positive and Gram-negative organisms. Ideal for oral treatment via feed or water in livestock and poultry.

Composition

- Sulphachlorpyridazine Sodium — 100 mg per gram
- Trimethoprim I.P. — 20 mg per gram
- Pharmaceutical-grade excipients — q.s. to 1 gm (palatability enhancers, stabilizers, carriers)

Category

Veterinary Antibiotic — Sulphonamide + Diaminopyrimidine Combination

Specification

- Appearance: Fine, off-white to pale yellow free-flowing powder
- Identification: Conforms to standards as per Indian Pharmacopoeia (I.P.)
- Assay:
 - Sulphachlorpyridazine Sodium — 95.0% to 105.0% of labelled content
 - Trimethoprim I.P. — 95.0% to 105.0% of labelled content
- pH (in 1% aqueous solution): 5.0–7.0
- Loss on drying: Not more than 5.0%
- Microbial limits: Conforms to standard veterinary oral formulation limits
- Stability: 24 months under recommended storage conditions

Indications

- Treatment and control of **bacterial infections** in livestock and poultry, including:
 - Respiratory tract infections (e.g., CRD, pneumonia)
 - Gastrointestinal infections (e.g., colibacillosis, salmonellosis)
 - Urinary tract infections
 - Septicaemia and systemic bacterial infections
- Effective against **E. coli**, **Salmonella spp.**, **Pasteurella spp.**, and more

Dosage & Route of Administration

- Poultry: 1 gm per litre of drinking water for 3–5 days
- Calves, goats, lambs: 25–30 mg/kg body weight per day (total combination dose)
- Cattle, pigs, larger animals: 5–10 gm per 100 kg body weight per day
- Route: Oral (mixed in feed or water)
- Duration: 3 to 5 days or as directed by a registered veterinary practitioner

Product Form & Packaging Sizes

- Form: Fine Veterinary Oral Powder
- Packaging Sizes: 100 gm, 250 gm, 500 gm, and 1 kg
- Packaging: High-grade, airtight HDPE jars or foil-laminated pouches — tamper-evident, moisture-proof

Usage & Advantages

- **Synergistic dual-action formula** enhances antimicrobial spectrum and potency
- Rapid absorption with systemic effect
- Reduced resistance risk due to combination mechanism
- Convenient oral administration in both feed and water
- Cost-effective solution for herd and flock management
- Promotes rapid clinical recovery and productivity restoration

Adverse Effects

- Rare: Anorexia, diarrhoea, or mild hypersensitivity
- Prolonged high-dose use may lead to crystalluria or blood dyscrasias
- Contraindicated in animals with renal or hepatic dysfunction
- Avoid in animals with sulphonamide hypersensitivity

Withdrawal Period

- Meat: 10 days
- Milk: 5 days
- Eggs: 5 days
- Adhere strictly to withdrawal periods before processing animal products

Storage

- Store below 30°C in a dry, dark place
- Protect from direct sunlight and moisture
- Close container tightly after use to maintain potency

Handling

- Use gloves and dust mask while handling or mixing
- Avoid contact with skin or inhalation
- Wash hands thoroughly after handling
- Do not reuse empty packaging — dispose of safely

HS Code / HSN Code

- HS Code: 3003.90 (Medicaments for veterinary use)
- HSN Code: 30039090 (Antibacterial combinations for veterinary use)

Special Instructions

- Use only under veterinary guidance
- Do not administer with other sulphonamides or nephrotoxic drugs
- Maintain proper hydration in animals during treatment
- Ensure correct mixing for uniform dosage in feed or water

Human and Veterinary Application Details

- This product is **strictly for veterinary use only**
- While Trimethoprim and Sulphonamides are used in human medicine, the veterinary formulation differs in dose, excipients, and intended use
- Human use may lead to toxicity or improper resistance — never substitute

Frequently Asked Questions (FAQs)

Q: What is Sulphachlorpyridazine + Trimethoprim used for?

A: It's used to treat bacterial infections in poultry and livestock — especially respiratory and intestinal infections.

Q: Is it safe for long-term use?

A: Not recommended for prolonged periods; should be used as per dosage guidelines to avoid toxicity or resistance.

Q: Can I give it to poultry in water?

A: Yes — it's highly effective when dissolved in drinking water, with excellent absorption and systemic action.

Q: What should I avoid mixing it with?

A: Avoid concurrent use with other sulphonamides, NSAIDs, or nephrotoxic agents.

Q: What happens if I miss a dose?

A: Resume the correct dose as soon as possible. Avoid doubling or overdosing — consistency is key.

Q: Is this safe for pregnant or lactating animals?

A: Use only if prescribed by a veterinarian. Avoid in early pregnancy unless deemed necessary.

Q: What are the withdrawal times?

A: 10 days for meat, 5 days for milk and eggs — always follow withdrawal periods strictly.