

SULPHADOT

Sulphadimidine Sodium I.P. 333.33mg/mL Injection

Each 3mL Contains: Sulphadimidine Sodium I.P. 1gm

For Veterinary Use

Description

Sulphadimidine Sodium (also known as Sulfamethazine Sodium) is a synthetic sulphonamide antibacterial agent. It acts by inhibiting bacterial synthesis of folic acid, thus exhibiting a broad-spectrum bacteriostatic effect against many Gram-positive and Gram-negative bacteria. This injectable formulation contains 1gm of Sulphadimidine Sodium per dose, widely used in veterinary medicine to treat bacterial infections.

Specification

- **Active Ingredient:** Sulphadimidine Sodium I.P. 1gm per 3mL
- **Appearance:** Clear, yellowish sterile injectable solution
- **pH:** Approximately 6.5 to 7.5
- **Sterility:** Sterile and pyrogen-free
- **Packaging:** Typically supplied in 30 mL & 100 mL sterile glass vials or ampoules

Composition

- Sulphadimidine Sodium I.P.: Each 3ml Contain 1gm
- Excipients: Sterile water for injection, stabilizers, preservatives (manufacturer-dependent)

Category

- Sulphonamide antibiotic
- Veterinary antimicrobial agent

Indications

- Treatment of bacterial infections caused by susceptible organisms in cattle, sheep, goats, pigs, and poultry
- Respiratory tract infections, mastitis, enteritis, septicaemia, and wound infections
- Effective against E. coli, Pasteurella, Salmonella, Streptococcus, and Staphylococcus species

Dosage and Administration

- **Dose:** Usually 10 to 15 mg/kg body weight
- **Route:** Intramuscular (IM) or intravenous (IV) injection
- **Frequency:** Once or twice daily as prescribed by a veterinarian
- Duration of treatment depends on infection severity; typically, 3 to 5 days

Product Form

- Sterile injectable solution
- Concentration: 1 gm Sulphadimidine Sodium per vial/ampoule
- Pack sizes: Commonly 30 mL & 100 mL vials or ampoules

Usage Instructions

- Use aseptic technique during administration
- Shake well before use
- Use appropriate syringe and needle sizes for the species and dose
- Dispose of used needles and syringes safely

Advantages

- Broad-spectrum antibacterial activity
- Effective against many common bacterial pathogens in animals
- Good tissue penetration
- Cost-effective and widely available
- Suitable for food-producing and companion animals

Adverse Effects

- Hypersensitivity or allergic reactions in sensitive animals
- Potential for crystalluria if hydration is inadequate
- Gastrointestinal disturbances (rare)
- Avoid use in animals with known sulphonamide hypersensitivity

Withdrawal Period

- **Meat:** Minimum 7 days
- **Milk:** At least 72 hours or per local regulatory guidelines
- Strict adherence to withdrawal periods is mandatory for food safety

Storage Conditions

- Store between 15°C to 30°C
- Protect from light and freezing
- Keep out of reach of children and animals
- Do not use beyond expiry date

Handling Precautions

- Wear gloves during handling
- Avoid skin and eye contact
- Wash thoroughly after accidental exposure
- Dispose of unused product and packaging per hazardous waste guidelines

HS and HSN Code

- **HS Code:** 3004.90 (Pharmaceutical preparations)
- **HSN Code (India):** 3004.90.90

Special Instructions

- For veterinary use only
- Administer under veterinary supervision
- Monitor for adverse reactions during treatment
- Avoid use in animals with known sulphonamide allergy

Details of Human and Veterinary Application

- **Veterinary Use:** Treatment of various bacterial infections in livestock and companion animals
- **Human Use:** Different formulations exist; veterinary product not for human use

? Frequently Asked Questions (FAQs)

Q1: What is Sulphadimidine Sodium?

A: A sulphonamide antibacterial agent effective against a broad range of bacteria.

Q2: How is the injection administered?

A: Intramuscular or intravenous injection.

Q3: What is the usual dose?

A: 10 to 15 mg/kg body weight, as prescribed by a veterinarian.

Q4: What are possible side effects?

A: Allergic reactions, crystalluria if hydration is poor, and rare gastrointestinal upset.

Q5: How should it be stored?

A: Between 15°C and 30°C, protected from light and freezing.

Q6: What is the withdrawal period?

A: Meat: Minimum 7 days; Milk: At least 72 hours.

Q7: Can veterinary Sulphadimidine Sodium be used in humans?

A: No, veterinary products are strictly for animal use only.

