

# CEFTRADOT- S

Ceftriaxone Sodium U.S.P. & Sulbactam Sodium U.S.P.

Veterinary Dry Injection For Veterinary Use Only

## Description

This is a synergistic combination of **Ceftriaxone**, a third-generation cephalosporin antibiotic, and **Sulbactam**, a  $\beta$ -lactamase inhibitor that extends the spectrum of ceftriaxone by neutralizing resistant enzymes. Designed for broad-spectrum action against both Gram-positive and Gram-negative bacteria, this formulation is intended for parenteral use in veterinary settings and is ideal for combating moderate to severe systemic infections.

## Composition

Each vial contains either of the following combinations:

- **Ceftriaxone Sodium U.S.P.** equivalent to Ceftriaxone: 2 gm or 3 gm
- **Sulbactam Sodium U.S.P.** equivalent to Sulbactam: 1 gm or 1.5 gm
- **Excipients:** q.s.
- **Sterile Water for Injection:** Supplied separately for reconstitution

## Category

- **Veterinary Injectable Antibiotic**
- **Beta-Lactam Cephalosporin +  $\beta$ -lactamase Inhibitor** Combination

## Indications

Indicated for the treatment of mixed or severe bacterial infections in animals, including:

- Respiratory tract infections
- Post-surgical infections
- Urinary tract infections
- Mastitis
- Skin and soft tissue infections
- Septicaemia and systemic infections

## Route of Administration

- **Intramuscular (IM)** or **Intravenous (IV)** injection
- Reconstitute with the supplied sterile water immediately before use
- Pack Size : 3gm & 4.5gm With Free Sterile Water For Injection

## Dosage & Administration

- General dosage: **20–40 mg/kg body weight per day**, divided in two doses or as prescribed by a veterinarian
- Use **aseptic techniques** for reconstitution and injection
- Reconstituted solution must be used within **24 hours** if stored at 2–8°C

## Advantages

- Synergistic combination ensures broader and enhanced bacterial coverage
- Sulbactam prevents enzymatic degradation of ceftriaxone
- Fast-acting and highly effective against multi-drug-resistant strains
- Convenient dry powder form for stability and long shelf-life
- Supplied with sterile water for instant preparation

## Precautions

- For **veterinary use only**
- Contraindicated in animals with known allergy to cephalosporins or penicillin's
- Ensure correct dosage to avoid resistance
- Use under strict veterinary supervision
- Avoid use in animals intended for breeding unless advised

## Storage

- Store powder below **25°C**, in a dry, dark place
- Protect from moisture and direct sunlight
- Reconstituted solution should be **refrigerated (2–8°C)** and used within **24 hours**
- Do **not freeze** the reconstituted solution

## **Adverse Effects**

- Localized pain, redness, or swelling at the injection site
- Hypersensitivity reactions (rash, fever, anaphylaxis in rare cases)
- Temporary gastrointestinal disturbances in some animals

## **Schedule**

- **Schedule H** drug (Veterinary prescription only)

## **Handling & Disposal**

- Use sterile, clean equipment
- Discard unused solution after 24 hours
- Dispose of used vials and sharps in accordance with veterinary bio-waste regulations

## **HS & HSN Code**

- **HS Code:** 2941.40 (Cephalosporins and their derivatives)
- **HSN Code:** 30042019 (Other veterinary antibiotics)

## **Frequently Asked Questions (FAQs)**

### **Q1: Can this combination treat antibiotic-resistant infections?**

**A:** Yes, the addition of Sulbactam helps combat  $\beta$ -lactamase-producing resistant strains.

### **Q2: What is the reconstitution procedure?**

**A:** Add the entire sterile water provided into the vial, swirl gently until fully dissolved.

### **Q3: Can both IM and IV routes be used?**

**A:** Yes, depending on the condition and veterinarian's recommendation.

### **Q4: Can it be used in pregnant animals?**

**A:** Use with caution and only if absolutely necessary under vet supervision.

### **Q5: What is the meat/milk withdrawal period?**

**A:** Typically, **7–14 days** for meat and **72 hours** for milk (consult vet for specifics).