

Brand Name: ACOCEF-SB Injection

Composition: Ceftriaxone & Sulbactam for injection IP

Dosage Form: Injection

Category: Broad-Spectrum Antibiotic (Cephalosporin with Beta-lactamase Inhibitor)

Packaging Type: Vial+ wfi.

Packaging: 1.5 gm

Brief Product Introduction:

ACOCEF-SB injection is a powerful injectable antibiotic combination, manufactured by **AstraEureka Pharmaceutical**, containing **Ceftriaxone 1000 mg** and **Sulbactam 500 mg** per vial. Ceftriaxone is a third-generation cephalosporin with broad-spectrum bactericidal activity. Sulbactam is a beta-lactamase inhibitor that enhances the spectrum of ceftriaxone by neutralizing resistance mechanisms in bacteria. This synergistic combination is highly effective against multi-drug-resistant gram-positive and gram-negative organisms. ACOCEF-SB is suitable for severe systemic infections including pneumonia, urinary tract infections, intra-abdominal infections, skin and soft tissue infections, sepsis, and post-surgical infections. The product is provided as a **1.5 gm sterile vial**, to be administered intravenously or intramuscularly. As a reliable **manufacturer of Ceftriaxone and Sulbactam combination**, AstraEureka ensures therapeutic efficacy and safety through stringent quality control and GMP-compliant manufacturing processes.

Composition:

Each vial contains:

Ceftriaxone Sodium IP
equivalent to Anhydrous Ceftriaxone..... 1000 mg
Sulbactam Sodium IP
equivalent to Anhydrous Sulbactam..... 500 mg

Key Ingredients:

- Ceftriaxone (1000 mg): Third-generation cephalosporin antibiotic
- Sulbactam (500 mg): Beta-lactamase inhibitor

Key Benefits:

1. Broad-spectrum coverage including beta-lactamase producing strains
2. Effective for complicated and hospital-acquired infections
3. Suitable for both IV and IM administration
4. Once or twice daily dosing improves compliance
5. Reduces chances of antibiotic resistance

Indications:

1. Lower respiratory tract infections (e.g., pneumonia)
2. Complicated urinary tract infections
3. Skin and soft tissue infections
4. Intra-abdominal infections
5. Bone and joint infections
6. Septicemia and bacteremia
7. Post-operative and surgical infections

Directions for Use:

1. Reconstitute the vial with appropriate sterile water for injection
2. Administer intravenously or intramuscularly as prescribed
3. Use immediately after reconstitution

Dosage and Administration:

1. **Adults:** 1.5 gm once or twice daily or as directed by physician
2. Dosage depends on severity and type of infection
3. Dose adjustments may be required in renal or hepatic impairment

Safety Information:

1. Use under supervision of qualified healthcare provider
2. Perform sensitivity testing prior to therapy
3. Monitor for hypersensitivity reactions
4. Caution in patients with renal impairment

Mechanism of Action:

- Ceftriaxone inhibits bacterial cell wall synthesis by binding to penicillin-binding proteins, leading to cell lysis.
- Sulbactam irreversibly inhibits beta-lactamase enzymes produced by resistant bacteria, protecting ceftriaxone from degradation and restoring its full antibacterial activity.

Contraindications:

1. Known allergy to cephalosporins or beta-lactam antibiotics
2. Neonates with hyperbilirubinemia or calcium-containing IV solutions

Side Effects:

1. Local site reactions (pain, swelling)
2. Diarrhea, nausea, rash
3. Rare: Hypersensitivity reactions, hepatic enzyme elevation

Important Notice:

- ACOCEF-SB must be administered by trained professionals.
- Do not self-administer.
- Complete full course to avoid resistance and recurrence.

Storage Condition:

1. Store below 25°C in a dry place
2. Protect from light and moisture
3. Keep out of reach of children
4. Reconstituted solution should be used immediately

Packing Information:

- 1.5 gm sterile vial
- Available in mono-pack with sterile water for reconstitution