

Brand Name: ACOCEF-1 INJECTION

Composition: Ceftriaxone injection I.P.

Dosage Form: Injection

Category: Broad-Spectrum Cephalosporin Antibiotic

Packaging Type: Vial+WFI.

Packaging: 1 gm

Brief Product Introduction:

ACOCEF 1 Injection is a broad-spectrum injectable antibiotic manufactured by **AstraEureka Pharmaceutical**, containing **Ceftriaxone 1000 mg** per vial. Ceftriaxone is a third-generation cephalosporin with potent bactericidal activity, effective against a wide range of gram-positive and gram-negative bacteria. It works by inhibiting bacterial cell wall synthesis, leading to cell lysis and death. ACOCEF 1 G is indicated for serious bacterial infections such as pneumonia, urinary tract infections, intra-abdominal infections, septicemia, meningitis, skin and soft tissue infections, and surgical prophylaxis. It is administered via intravenous or intramuscular routes. This single-dose vial is convenient for hospital and clinical settings, ensuring precise dosing. As a trusted **manufacturer of Ceftriaxone composition**, AstraEureka upholds the highest standards of quality and compliance, providing reliable, fast-acting, and effective antibiotic therapy for critical care.

Composition:

Each vial contains:

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

Key Benefits:

1. Broad-spectrum antibacterial coverage.
2. Effective against resistant organisms.
3. Long half-life allows once-daily dosing.
4. Ideal for hospital-acquired and community infections.
5. Excellent tissue penetration and clinical efficacy.

Indications:

1. Respiratory tract infections (pneumonia, bronchitis).
2. Urinary tract infections (pyelonephritis, cystitis).
3. Intra-abdominal infections.
4. Meningitis and CNS infections.
5. Skin and soft tissue infections.

6. Septicemia and bloodstream infections.
7. Surgical prophylaxis.

Directions for Use:

1. Reconstitute with appropriate sterile water or compatible diluent.
2. Administer IV or IM as per physician's guidance.
3. Use immediately after reconstitution.

Dosage and Administration:

1. **Adults:** 1–2 g once daily or divided doses depending on severity.
2. Adjust dose in renal/hepatic impairment.
3. Duration based on infection type and clinical response.

Safety Information:

1. Use under healthcare supervision only.
2. Avoid in known cephalosporin hypersensitivity.
3. Monitor renal and hepatic function during prolonged therapy.
4. Perform culture and sensitivity testing when possible.

Mechanism of Action:

- Ceftriaxone binds to penicillin-binding proteins in bacterial cell walls, disrupting peptidoglycan synthesis.
- This leads to cell lysis and death, making it effective against a wide range of aerobic and anaerobic pathogens.

Contraindications:

1. Hypersensitivity to cephalosporins or penicillins.
2. Neonates with jaundice or calcium-containing IV solutions.

Side Effects:

1. Injection site reactions (pain, swelling).
2. Nausea, diarrhea, rash.
3. Rare: Clostridium difficile-associated diarrhea, hepatic enzyme elevation.

Important Notice:

- ACOCEF 1 G should only be used under professional medical supervision.

- Ensure the full course is completed to prevent resistance or relapse. Not for self-administration.

Storage Condition:

1. Store below 25°C.
2. Protect from light and moisture.
3. Keep out of reach of children.
4. Use reconstituted solution immediately or as per label instructions.

Packing Information:

- **1 gm vial with WFI.**
Available with sterile water for reconstitution.

