

Cefoperazone (1000mg) + Sulbactam (500mg)

Zepazon S 1.5 GM Injection

**Cefoperazone (1000 mg) + Sulbactam (500 mg)
Injection**

Description:

**Cefoperazone (1000 mg) + Sulbactam (500 mg)
Injection** is a combination of the third-generation cephalosporin antibiotic Cefoperazone and the β -lactamase inhibitor Sulbactam, formulated to treat a variety of serious bacterial infections. The combination enhances the antibacterial activity of Cefoperazone by protecting it from degradation by bacterial β -lactamase enzymes, extending its spectrum of action against resistant pathogens.

Composition:

Each vial contains:

- **Cefoperazone: 1000 mg**
 - **Sulbactam: 500 mg**
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Indications:

This combination is indicated for the treatment of a variety of bacterial infections caused by susceptible organisms, including:

- 1. Respiratory Tract Infections:**
 - **Pneumonia, bronchitis, and other lower respiratory tract infections.**
- 2. Urinary Tract Infections:**
 - **Complicated urinary tract infections (UTIs) including pyelonephritis and cystitis.**
- 3. Intra-abdominal Infections:**

- **Peritonitis, intra-abdominal abscesses, and other abdominal infections.**

4. Skin and Soft Tissue Infections:

- **Wound infections, cellulitis, and soft tissue abscesses.**

5. Gynecological Infections:

- **Pelvic inflammatory disease (PID) and other gynecological infections.**

6. Bacterial Septicemia:

- **Septicemia or bloodstream infections caused by susceptible organisms.**

7. Bone and Joint Infections:

- **Osteomyelitis and septic arthritis.**
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Mechanism of Action:

- **Cefoperazone:**

- **A β -lactam antibiotic that works by inhibiting bacterial cell wall synthesis, leading to bacterial cell death. Cefoperazone is effective against a wide range of both Gram-positive and Gram-negative bacteria, including *Pseudomonas aeruginosa* and *Enterobacteriaceae*.**

- **Sulbactam:**

- **A β -lactamase inhibitor that prevents bacteria from breaking down Cefoperazone, thereby enhancing its effectiveness against β -lactamase-producing organisms that would typically be resistant to cephalosporins.**
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Dosage and Administration:

- **Adults:**

- The typical dose for moderate infections is 1 gm of Cefoperazone with 0.5 gm of Sulbactam administered every 12 hours.
- For bacterial septicemia, higher doses may be required.
- **Pediatric Use:**
 - The pediatric dose is usually 50-100 mg/kg/day, divided into 2-4 doses, depending on the type and severity of the infection. Dose adjustments should be made based on weight and clinical condition.
- **Route of Administration:**
 - Intravenous (IV) or Intramuscular (IM) administration.
- Use with caution in patients with liver disease or elevated liver enzymes. Regular monitoring of liver function is recommended during therapy.
- 3. **Renal Impairment:**
 - Dose adjustments may be necessary for patients with renal dysfunction.
- 4. **Pregnancy and Lactation:**
 - **Category B for pregnancy:** Cefoperazone is considered safe during pregnancy, but should only be used if clearly needed. Use during breastfeeding should be under medical supervision.

Side Effects:

Common Side Effects:

- Pain at the injection site (IM or IV).
- Fever or chills.
- Nausea or vomiting.
- Diarrhea.
- Rash or skin reactions.

Less Common Side Effects:

- Allergic reactions, including anaphylaxis (severe allergic reaction).
- Elevated liver enzymes (possible liver damage).
- Thrombocytopenia (low platelet count).
- Leukopenia (low white blood cell count).
- Renal dysfunction in patients with pre-existing kidney disease.

Precautions:

1. **Allergic Reactions:**
 - Caution in patients with a history of allergic reactions to penicillins or cephalosporins.
2. **Liver Impairment:**

Storage Instructions:

- Store the vial at room temperature (15°C-25°C).
- Do not freeze the product.
- Keep the vial tightly closed and out of the reach of children.
- After reconstitution, the solution should be used immediately or stored as directed by the manufacturer.

Note: This medication is used to treat serious bacterial infections and should be administered under the guidance of a healthcare professional.

Manufactured in India for:

CafoliTM
L I F E C A R E

Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

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