

# Zepazone TZ 1.125 Injection

Cefoperazone Sodium (Sterile) I.P. 1000mg + Tazobactam Sodium (Sterile) I.P. 125mg Injection

## Composition

Each vial contains:

- Cefoperazone Sodium (Sterile) I.P.: 1000mg
- Tazobactam Sodium (Sterile) I.P.: 125mg

## Indications

This combination of Cefoperazone Sodium and Tazobactam Sodium is used for the treatment of a wide range of bacterial infections caused by susceptible microorganisms, including:

- **Lower Respiratory Tract Infections:** Such as pneumonia, acute bronchitis, and chronic obstructive pulmonary disease (COPD) exacerbations.
- **Urinary Tract Infections:** Including pyelonephritis, cystitis, and complicated urinary tract infections.
- **Intra-abdominal Infections:** Including peritonitis, appendicitis, and abscesses.
- **Skin and Soft Tissue Infections:** Such as cellulitis, abscesses, and wound infections.
- **Bone and Joint Infections:** Osteomyelitis and septic arthritis.
- **Sepsis and Septic Shock:** Including bacteremia and bloodstream infections.

## Mechanism of Action

- **Cefoperazone:** A third-generation cephalosporin that works by inhibiting bacterial cell wall synthesis, leading to bacterial cell lysis and death. It has a broad spectrum of activity against Gram-positive and Gram-negative bacteria.
- **Tazobactam:** A beta-lactamase inhibitor that helps prevent the breakdown of cefoperazone by bacterial beta-lactamases, thus extending the antibiotic's spectrum of activity against beta-lactamase-producing pathogens.

## Dosage and Administration

- **Adults:**
  - **Usual Dose:** 1g (Cefoperazone) + 125mg (Tazobactam) every 12 hours, based on the severity of the infection.
  - **Severe Infections:** The dose may be increased to 2g (Cefoperazone) + 250mg (Tazobactam) every 12 hours.
- **Pediatric Use:**
  - The dosage for children is based on their weight and the severity of the infection.
  - **General Dose:** 50mg/kg/day divided into 2 doses, based on the child's needs.

**Route of Administration:** Intravenous (IV) or Intramuscular (IM) injection.

## Contraindications

- **Hypersensitivity to cefoperazone, tazobactam, or any other cephalosporin antibiotics.**
- **Severe Renal Impairment:** Use with caution in patients with severe renal dysfunction.
- **History of Allergic Reactions:** Not recommended for patients with a history of severe allergic reactions (e.g., anaphylaxis) to penicillins, cephalosporins, or beta-lactamase inhibitors.

## Precautions

- **Renal Dysfunction:** Dosage adjustments are necessary for patients with renal impairment.
- **Hepatic Dysfunction:** Caution should be taken in patients with liver disease as cefoperazone is metabolized by the liver.
- **Gastrointestinal Disease:** Use cautiously in patients with a history of gastrointestinal diseases, particularly colitis.
- **Pregnancy and Lactation:** Use during pregnancy and lactation only when necessary and under medical supervision.

## Adverse Reactions

Common side effects include:

- **Gastrointestinal:** Nausea, vomiting, diarrhea, abdominal pain, or indigestion.
  - **Hematologic:** Thrombocytopenia, eosinophilia, or neutropenia.
  - **Allergic Reactions:** Rash, fever, pruritus, or anaphylaxis in rare cases.
  - **Liver:** Transient increases in liver enzymes (AST, ALT).
  - **Injection Site Reactions:** Pain, redness, or swelling at the site of injection.
  - **Renal:** Elevation of serum creatinine or urea.
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## Storage Instructions

- Store at room temperature (15°C to 25°C).
  - Keep the vial tightly closed in a dry place, away from direct light.
  - Once reconstituted, use the solution immediately or within 24 hours when stored in the refrigerator.
  - Keep out of reach of children.
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## Effective Broad-Spectrum Antibiotic

The combination of Cefoperazone Sodium and Tazobactam Sodium provides a potent treatment option for serious infections caused by beta-lactamase-producing organisms. It combines a third-generation cephalosporin with a beta-lactamase inhibitor to provide enhanced efficacy against a wide variety of resistant pathogens.

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

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