

Dimezeft 250 Injection

Ceftazidime (250mg) Injection: Information Guide

Description

Ceftazidime is a third-generation cephalosporin antibiotic used for treating a variety of serious bacterial infections. It is effective against a broad spectrum of Gram-negative bacteria, including *Pseudomonas aeruginosa*, as well as certain Gram-positive bacteria.

Composition

- **Active Ingredient:** Ceftazidime (250mg as ceftazidime pentahydrate).
 - **Dosage Form:** Sterile powder for injection.
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Indications

Ceftazidime is indicated for the treatment of infections caused by susceptible bacteria, such as:

- Lower respiratory tract infections, including pneumonia.
- Urinary tract infections (complicated and uncomplicated).
- Skin and soft tissue infections.
- Bone and joint infections.
- Intra-abdominal infections, including peritonitis.
- Septicemia.
- Meningitis caused by susceptible organisms.
- Infections in neutropenic patients.

Dosage and Administration

Route of Administration:

- Intravenous (IV) or intramuscular (IM) injection.

Dosage:

- **Adults and children over 12 years:** 250mg to 1g every 8 hours, depending on the severity of the infection.
 - **Children (1 month to 12 years):** 25–50 mg/kg/day in divided doses every 8 hours, not exceeding 6g/day.
 - **Neonates:** 25–60 mg/kg/day in divided doses, adjusted based on clinical condition.
 - **Renal Impairment:** Dosage adjustments are required based on creatinine clearance.
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Reconstitution

- **Intravenous Use:** Dissolve 250mg vial in 2.5mL of sterile water for injection.
 - **Intramuscular Use:** Dissolve 250mg vial in 1mL of sterile water for injection.
 - Shake well until the solution is clear.
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Contraindications

- **Hypersensitivity to ceftazidime, other cephalosporins, or beta-lactam antibiotics.**

- **Elimination: Primarily excreted unchanged by the kidneys.**

Warnings and Precautions

- **Caution in patients with a history of hypersensitivity to penicillins or other beta-lactam antibiotics.**
- **Monitor renal function in patients with renal impairment.**
- **Prolonged use may result in superinfection with non-susceptible organisms.**

Note: This medication is to be used under the supervision of a qualified healthcare professional and requires a valid prescription.

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

Plot no.: 367-FF, Industrial Area Phase-I,

Panchkula-134113

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Adverse Effects

- **Common: Nausea, diarrhea, local injection site pain, or rash.**
- **Serious: Anaphylaxis, Clostridium difficile-associated diarrhea, neurotoxicity (in renal impairment), and hematologic abnormalities.**

Storage

- **Store in a cool, dry place below 25°C.**
- **Reconstituted solutions should be used immediately or stored as per manufacturer's instructions.**

Pharmacokinetics

- **Absorption: Not orally absorbed; requires parenteral administration.**
- **Distribution: Penetrates well into body tissues, including cerebrospinal fluid.**