

Cefuzrom 250 Tablet

Cefuroxime (250 mg) Tablet

Composition

Each tablet contains:

- **Cefuroxime (as Cefuroxime Axetil): 250 mg**
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Description

Cefuroxime (250 mg) Tablet is a second-generation cephalosporin antibiotic used for the treatment of a wide range of bacterial infections. It works by interfering with the bacterial cell wall synthesis, leading to the destruction of the bacteria. This oral formulation of cefuroxime is indicated for infections where oral therapy is appropriate and for patients who do not require intravenous or intramuscular antibiotic administration.

Indications

Cefuroxime (250 mg) tablet is indicated for the treatment of infections caused by susceptible organisms, including:

- **Upper Respiratory Tract Infections:** Such as sinusitis, pharyngitis, and tonsillitis.
- **Lower Respiratory Tract Infections:** Including bronchitis and mild pneumonia.
- **Urinary Tract Infections:** Such as cystitis and pyelonephritis.

- **Skin and Soft Tissue Infections:** Including cellulitis, impetigo, and abscesses.
 - **Gonorrhea:** Cefuroxime can be used to treat gonorrheal infections in the genital or rectal areas.
 - **Ear Infections:** Otitis media caused by susceptible pathogens.
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Dosage and Administration

- **Adults and Children Over 12 Years:**
 - **Common Infections:** The typical dose is 250 mg every 12 hours. For some infections, such as gonorrhea or more severe cases, a higher dose of 500 mg may be used.
 - **Mild to Moderate Infections:** 250 mg twice daily for 7 to 10 days.
 - **Pediatric Patients (5-12 years):**
 - **Usual Dose:** 125 mg to 250 mg twice daily depending on the severity of the infection.
 - **For Severe Infections:** Up to 500 mg twice daily may be required.
 - **Administration:**
 - The tablets should be taken with food to improve absorption, as the bioavailability of cefuroxime is enhanced when taken with a meal.
 - Swallow the tablet whole with a glass of water. Do not chew or crush the tablet.
 - **Duration of Treatment:** The treatment course typically lasts 7 to 10 days, depending on the type and severity of the infection. Your doctor may recommend a different duration based on clinical response.
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Mechanism of Action

Cefuroxime is a beta-lactam antibiotic that acts by inhibiting the synthesis of bacterial cell walls. It binds to and inactivates penicillin-binding proteins (PBPs), which are essential for cell wall biosynthesis. This disruption causes the bacterial cell wall to weaken and leads to bacterial lysis and death.

Warnings and Precautions

- **Hypersensitivity Reactions:** Severe allergic reactions, including anaphylaxis, may occur. If any signs of a severe allergic reaction occur, such as difficulty breathing or swelling of the face or throat, seek immediate medical attention.
 - **Renal Impairment:** Dose adjustments may be necessary for patients with renal impairment.
 - **Pregnancy and Lactation:** Cefuroxime is classified as Pregnancy Category B. It is generally considered safe to use during pregnancy if the benefits outweigh the risks.
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Side Effects

Common side effects may include:

- **Gastrointestinal:** Nausea, diarrhea, abdominal pain, dyspepsia (indigestion).
 - **Allergic Reactions:** Rash, pruritus (itching), urticaria (hives), and fever.
 - **Liver:** Elevations in liver enzymes (AST, ALT) may occur in some patients.
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Drug Interactions

- **Aminoglycosides:** Concomitant use with aminoglycosides (e.g., gentamicin) may increase the risk of nephrotoxicity.

- **Probenecid:** Probenecid can decrease the renal excretion of cefuroxime, leading to elevated blood levels. Dose adjustments may be needed.
 - **Oral Anticoagulants:** Cefuroxime may enhance the effects of oral anticoagulants such as warfarin, increasing the risk of bleeding.
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Overdose

In case of overdose, symptoms may include nausea, vomiting, dizziness, and seizures in severe cases. If an overdose is suspected, seek immediate medical attention. Hemodialysis may be useful for removing cefuroxime from the bloodstream in severe cases.

Storage

- Store at room temperature, below 25°C (77°F).
 - Protect from moisture and light.
 - Keep out of the reach of children.
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Note: Cefuroxime (250 mg) Tablet should only be used as directed by a healthcare provider. It is important to complete the full course of treatment even if symptoms improve to prevent the development of antibiotic resistance.

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

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