

Cefzlan Drop

Cefixime (25 mg) Drops

Composition

Each ml of reconstituted drops contains:

- Cefixime (as Cefixime Trihydrate):
25 mg
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Description

Cefixime Drops are a third-generation cephalosporin antibiotic designed for pediatric use. It is effective against a broad spectrum of bacterial infections and works by inhibiting bacterial cell wall synthesis, leading to bacterial cell death.

Indications

Cefixime Drops are indicated for the treatment of:

- Upper respiratory tract infections: Pharyngitis, tonsillitis, and sinusitis
 - Lower respiratory tract infections: Bronchitis and pneumonia
 - Urinary tract infections: Cystitis and pyelonephritis
 - Otitis media (middle ear infections)
 - Gastrointestinal infections: Typhoid fever and acute diarrhea caused by bacterial infections
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Dosage and Administration

- Infants and Children (<12 years):
 - The typical dose is 8 mg/kg/day, administered as a single daily dose or in two divided doses every 12 hours.

Example Dosage:

- **Weight-based Calculation:** For a child weighing 5 kg, the dose is 40 mg/day (2 doses of 20 mg each or 8 drops per dose).
- **Administration:**
 - Shake the bottle well to loosen the powder. Reconstitute by adding boiled and cooled water up to the mark on the bottle, then shake well to form a uniform suspension.
 - Use the calibrated dropper provided to measure the prescribed dose accurately.
- **Duration:**
 - The duration of treatment depends on the type and severity of the infection, typically 5–10 days.

Note: Always follow the pediatrician's prescribed dosage and duration.

Preparation of the Drops

1. Loosen the powder by shaking the bottle.
2. Add cooled boiled water in small portions and shake well after each addition until fully dissolved.
3. Adjust the volume to the mark on the bottle.

Mechanism of Action

Cefixime binds to penicillin-binding proteins (PBPs) in the bacterial cell wall, inhibiting the final stage of peptidoglycan synthesis, leading to bacterial cell wall instability and cell death.

Warnings and Precautions

- **Allergic Reactions:** Discontinue if signs of hypersensitivity occur, such as rash, itching, or swelling.
 - **Renal Impairment:** Use with caution in infants and children with kidney dysfunction; dose adjustment may be necessary.
 - **Superinfection:** Prolonged use may lead to the overgrowth of resistant organisms.
 - **Clostridium difficile-associated Diarrhea (CDAD):** Monitor for severe or persistent diarrhea during or after treatment.
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Side Effects

Common side effects include:

- **Gastrointestinal:** Diarrhea, nausea, abdominal discomfort
 - **Allergic reactions:** Rash, urticaria, or itching
 - **Others:** Drowsiness, headache, and mild liver enzyme elevation
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Drug Interactions

- **Anticoagulants:** May increase the risk of bleeding when used with drugs like warfarin.
 - **Probenecid:** Increases cefixime levels by reducing renal excretion.
 - **Live bacterial vaccines:** May reduce the efficacy of vaccines such as the typhoid vaccine.
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Storage

- Store the dry powder at room temperature (below 25°C) before reconstitution.
 - Once reconstituted, store in a refrigerator (2–8°C) and use within 7 days.
 - Keep out of reach of children.
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Note: Administer this medication only under the guidance of a pediatrician. Complete the entire prescribed course to ensure effectiveness and prevent antibiotic resistance. If severe side effects or an allergic reaction occurs, consult a doctor immediately.

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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