

Cefzlan 100 Dry Syrup

Cefixime (100 mg/5 mL) Dry Syrup

Composition

Each 5 mL of reconstituted suspension contains:

- Cefixime (as Cefixime Trihydrate): 100 mg
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Description

Cefixime Dry Syrup is a third-generation cephalosporin antibiotic with a broad spectrum of activity against gram-positive and gram-negative bacteria. It works by inhibiting bacterial cell wall synthesis, leading to the elimination of susceptible bacteria. This formulation is designed for pediatric use and is easy to administer.

Indications

Cefixime Dry Syrup is indicated for the treatment of:

- Upper respiratory tract infections: Tonsillitis, pharyngitis, and sinusitis
- Lower respiratory tract infections: Bronchitis and mild to moderate pneumonia
- Urinary tract infections: Cystitis and pyelonephritis
- Otitis media (middle ear infections)
- Typhoid fever
- Skin and soft tissue infections

Dosage and Administration

- Children (6 months and older):
 - The usual recommended dose is 8 mg/kg body weight/day either as a single dose or divided into two doses every 12 hours.
- Reconstitution:
 - Add the specified amount of clean drinking water (as indicated on the bottle or package insert) to the dry powder.
 - Shake well to ensure the powder dissolves completely and forms a uniform suspension.
- Administration:
 - Shake the bottle well before each use.
 - Administer the suspension with or without food. Taking it with food may improve absorption and reduce gastrointestinal discomfort.

Duration of therapy: Typically, 5–14 days depending on the infection and doctor's recommendation.

Mechanism of Action

Cefixime binds to penicillin-binding proteins (PBPs) in bacterial cell walls, inhibiting the final transpeptidation step of peptidoglycan synthesis. This leads to bacterial cell wall instability and death.

Contraindications

- **Known hypersensitivity to cefixime or other cephalosporin antibiotics.**
- **Severe allergic reactions to penicillin or beta-lactam antibiotics.**

Warnings and Precautions

- **Allergic Reactions:** Discontinue immediately if signs of hypersensitivity occur (e.g., rash, swelling, difficulty breathing).
- **Renal Impairment:** Use with caution in patients with reduced kidney function; dose adjustment may be necessary.
- **Superinfection:** Prolonged use may lead to the overgrowth of non-susceptible organisms, such as fungi or resistant bacteria.
- **Clostridium difficile-associated Diarrhea (CDAD):** Monitor for severe or persistent diarrhea.

Side Effects

Common side effects include:

- **Gastrointestinal:** Diarrhea, nausea, vomiting, abdominal pain
- **Allergic reactions:** Skin rash, itching, hives
- **Rare:** Dizziness, headache, elevated liver enzymes

- **Anticoagulants:** Increased risk of bleeding; monitor PT/INR when used with warfarin.
- **Probenecid:** May increase cefixime levels in the blood.
- **Live vaccines:** May reduce the efficacy of live bacterial vaccines such as typhoid vaccine.

Storage

- **Store the dry powder at room temperature (below 25°C) in a dry place.**
- **After reconstitution, store the suspension in the refrigerator (2–8°C) and use within 7–10 days. Discard any unused portion after this period.**
- **Keep out of reach of children.**

Note: This medication should be used as prescribed by a healthcare provider. Completing the full course of therapy is essential to ensure effective treatment and prevent the development of antibiotic resistance. If severe side effects or an allergic reaction occur, seek immediate medical attention.

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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Drug Interactions