

Lexoziff 250 Tablet

Levofloxacin (250mg) Tablet: Information Guide

Description

Levofloxacin is a fluoroquinolone antibiotic used to treat a variety of bacterial infections. It is effective against Gram-positive, Gram-negative, and atypical bacteria by targeting DNA replication and repair processes.

Composition

- **Levofloxacin: 250mg**
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Mechanism of Action

Levofloxacin inhibits bacterial enzymes DNA gyrase and topoisomerase IV, which are critical for bacterial DNA replication, transcription, and repair. This leads to bacterial cell death and eradicates the infection.

Indications

Levofloxacin 250mg tablet is prescribed for the treatment of:

- **Respiratory Tract Infections:**
 - Acute sinusitis
 - Chronic bronchitis exacerbations
 - Community-acquired pneumonia
- **Urinary Tract Infections (UTIs):**
 - Complicated and uncomplicated infections
- **Skin and Soft Tissue Infections**

- **Gastrointestinal Infections** caused by susceptible bacteria
 - **Bone and Joint Infections** (under medical supervision)
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Dosage and Administration

- **Usual Dose:** One tablet once or twice daily, depending on the severity and type of infection.
- **Route:** Oral, with a full glass of water.
- **Timing:** Can be taken with or without food. Avoid taking it with antacids, iron, or calcium supplements (maintain a gap of at least 2 hours).

Note: Follow the prescribed dosage schedule to prevent the development of bacterial resistance.

Contraindications

- Allergy to levofloxacin or other fluoroquinolones.
 - History of tendon disorders associated with fluoroquinolone use.
 - Patients with epilepsy or a history of seizures.
 - Pregnant or breastfeeding women (use only if clearly needed and prescribed by a doctor).
 - Pediatric patients (below 18 years) unless specified by a physician.
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Warnings and Precautions

- **Photosensitivity:** Avoid direct sunlight or UV light exposure during treatment.

- **Tendon Rupture:** Discontinue use and consult a doctor if tendon pain or swelling occurs.
- **Central Nervous System Effects:** Use with caution in patients with neurological disorders.
- **QT Prolongation:** Monitor in patients with cardiac conditions or electrolyte imbalances.
- **Superinfection:** Prolonged use may result in the overgrowth of non-susceptible organisms.

Adverse Effects

- **Common:** Nausea, diarrhea, headache, dizziness, abdominal pain.
- **Rare but Serious:**
 - Tendon rupture
 - Allergic reactions (rash, itching, swelling)
 - Peripheral neuropathy (nerve pain, tingling)
 - Severe diarrhea (indicative of *Clostridioides difficile* infection)

If any severe side effects occur, discontinue use and consult a healthcare provider immediately.

Drug Interactions

- Avoid using with antacids, calcium, iron, or magnesium supplements as they may reduce absorption.
- May increase the effects of anticoagulants (e.g., warfarin) – regular monitoring of INR is recommended.
- Use cautiously with other medications that prolong the QT interval.

Storage

- Store in a cool, dry place below 25°C.
- Protect from light and moisture.
- Keep out of reach of children.

Key Points

- Effective against a wide range of bacterial infections.
- Take the full course as prescribed, even if symptoms improve early.
- Avoid skipping doses to prevent antibiotic resistance.
- Inform your doctor about any pre-existing conditions or ongoing medications before starting treatment.

Note: This medication should only be used under the guidance of a healthcare professional. If symptoms persist or worsen, consult your doctor promptly.

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