

Information For the User  
Azithromycin (250mg)

# Azoxone 250 Tablet

## Azithromycin (250 mg) Tablet: Product Information

**Brand Name:** Azithromycin Tablet

**Generic Name:** Azithromycin

**Strength:** 250 mg per tablet

**Dosage Form:** Oral Tablet

### Indications:

Azithromycin 250 mg Tablets are indicated for the treatment of the following infections caused by susceptible microorganisms:

- **Respiratory Tract Infections:** Including **acute bacterial sinusitis, pharyngitis, tonsillitis, and community-acquired pneumonia.**
- **Skin and Soft Tissue Infections:** Including infections caused by susceptible strains of bacteria.
- **Sexually Transmitted Infections (STIs):** Including **chlamydia, gonorrhea, non-gonococcal urethritis, and cervicitis.**
- **Mycobacterium avium Complex (MAC):** Prophylaxis and treatment of MAC in HIV-infected patients.

### Mechanism of Action:

Azithromycin is a **macrolide antibiotic** that works by:

- Inhibiting **bacterial protein synthesis** through binding to the **50S ribosomal subunit**, which prevents bacteria from producing the proteins they need for growth and survival.
- Azithromycin has a **broad spectrum of activity**, effective against many Gram-positive and Gram-negative bacteria, as well as atypical pathogens such as **Chlamydia, Mycoplasma, and Legionella.**

### Dosage and Administration:

#### 1. Adults:

- **Respiratory Infections, Skin Infections, and Ear Infections:** The typical dosage is **500 mg on Day 1**, followed by **250 mg once daily for the next 4 days.**
- **Sexually Transmitted Infections (STIs):** A single dose of **1 gram (1000 mg)** may be prescribed for certain conditions like **chlamydia.**
- **MAC Prophylaxis:** The dose may vary; follow the healthcare provider's instructions.

#### 2. Pediatric Use:

- Pediatric dosing depends on body weight and the specific infection. For children, a typical starting dose may be **10 mg/kg on Day 1**, followed by **5 mg/kg daily for the next 4 days.**

#### 3. Administration Instructions:

- Take the tablet **with or without food.**
- Swallow the tablet whole with a full glass of water.
- For optimal absorption, take the tablet **1 hour before or 2 hours after meals** if gastrointestinal side effects occur.

### Contraindications:

Azithromycin 250 mg Tablets are contraindicated in:

- Patients with a known **hypersensitivity** (allergy) to azithromycin, other macrolide antibiotics (e.g., erythromycin, clarithromycin), or any component of the formulation.
- Those with **liver disease** or severe **renal impairment** should use azithromycin cautiously, and liver function should be monitored during therapy.

### Warnings and Precautions:

- **QT Prolongation:** Azithromycin may cause a **prolonged QT interval**, increasing the risk of **torsades de pointes** (a type of abnormal heart rhythm). Use cautiously in patients with known

**cardiac conditions** or those taking **QT-prolonging drugs**.

- **Liver Disease:** Azithromycin should be used with caution in patients with existing liver disease. Monitor liver function throughout treatment and discontinue if symptoms of **liver toxicity** (e.g., jaundice) occur.
- **Clostridium difficile-associated Diarrhea (CDAD):** Azithromycin, like other antibiotics, can lead to **Clostridium difficile** overgrowth, resulting in severe diarrhea. Seek medical attention if diarrhea becomes severe or prolonged.
- **Superinfection:** Prolonged use of azithromycin may cause overgrowth of non-susceptible organisms, including fungi. If a superinfection occurs, discontinue therapy.

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### Side Effects:

Common side effects may include:

- **Gastrointestinal issues:** Nausea, vomiting, diarrhea, abdominal pain, or loss of appetite.
- **Headache, dizziness, or fatigue.**
- **Rash** or mild allergic reactions such as itching or swelling.

Serious but rare side effects include:

- **Severe allergic reactions:** Symptoms may include difficulty breathing, facial swelling, or severe rash. Seek immediate medical attention if these occur.
- **Cardiac issues:** Chest pain, palpitations, or fainting. Immediate medical help is required if these symptoms develop.
- **Liver problems:** Yellowing of the skin or eyes (jaundice), dark urine, or abdominal pain may indicate liver dysfunction.

If any serious side effects occur, discontinue the medication and seek medical attention immediately.

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### Drug Interactions:

- **Antacids:** Taking antacids containing **aluminum** or **magnesium** may reduce the absorption of azithromycin. It is recommended to take azithromycin at least **1 hour before or 2 hours after** antacids.

- **CYP3A4 Inhibitors:** Azithromycin may interact with **CYP3A4 inhibitors** such as **antifungals** (e.g., ketoconazole), **calcium channel blockers**, and **antiviral medications**, potentially increasing the levels of azithromycin in the blood.
- **Warfarin:** Azithromycin may enhance the anticoagulant effect of **warfarin**, increasing the risk of bleeding. Regular monitoring of **INR** (International Normalized Ratio) may be necessary.
- **Ergotamine:** The combination of azithromycin with **ergotamine** (used for migraines) is not recommended due to the risk of **ergot toxicity**.

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### Storage:

- Store **Azithromycin tablets** at **room temperature** (15°C to 30°C / 59°F to 86°F), away from moisture and heat.
- Keep the tablets in their original container, tightly closed, and out of reach of children.

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### Patient Counseling Information:

- **Complete the prescribed course:** Even if you feel better, continue the full course of treatment to ensure the infection is completely treated and to avoid the development of antibiotic resistance.
- **Use the correct measuring device:** Always follow the healthcare provider's instructions carefully for accurate dosing.

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This overview provides general information on **Azithromycin 250 mg Tablets**. Always follow your healthcare provider's instructions and consult them for specific guidance on dosage, administration, and treatment duration.

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