

# Azoxone 500 Injection

## Description:

Azoxone 500 Injection contains Azithromycin, a broad-spectrum macrolide antibiotic effective against a wide range of gram-positive, gram-negative, and atypical bacteria. It works by inhibiting bacterial protein synthesis by binding to the 50S ribosomal subunit, thereby preventing the growth and multiplication of bacteria. It is particularly useful in patients intolerant to penicillins and in infections caused by macrolide-sensitive organisms. Azithromycin injection is indicated in moderate to severe bacterial infections where oral therapy is not suitable.

## Composition:

Each vial contains:

**Azithromycin Dihydrate I.P.** equivalent to Azithromycin ..... 500 mg

**Excipients** ..... q.s.

## Indications:

- Community-acquired pneumonia
- Acute bacterial sinusitis
- Acute exacerbation of chronic bronchitis
- Pelvic inflammatory disease
- Skin and soft tissue infections
- Bacterial infections caused by susceptible strains where injectable route is preferred

## Mechanism of Action:

Azithromycin binds to the 50S subunit of the bacterial ribosome, inhibiting RNA-dependent protein synthesis. It exhibits concentration-dependent bacteriostatic action and has prolonged tissue penetration and half-life, allowing for once-daily dosing. It is active against *Streptococcus pneumoniae*, *Haemophilus influenzae*, *Mycoplasma pneumoniae*, *Chlamydia trachomatis*, and *Neisseria gonorrhoeae* among others.

## Dosage and Administration:

**Adults:** 500 mg once daily intravenously for 2–5 days, followed by oral therapy if required or as directed by the physician.

**Reconstitution:** Dissolve in sterile water for injection and further dilute in normal saline or dextrose 5% before slow IV infusion over at least 60 minutes. Not to be given as bolus or intramuscular injection.

## Side Effects:

- Pain at injection site
- Nausea, vomiting
- Diarrhea
- Elevated liver enzymes
- Rare: QT prolongation, anaphylaxis, hepatotoxicity

**Precautions:**

- Use with caution in patients with hepatic dysfunction, cardiac arrhythmia, or known prolongation of QT interval
- Not recommended in severe renal impairment unless absolutely necessary
- Avoid co-administration with drugs that prolong QT interval
- Monitor liver enzymes and ECG in prolonged use

**Storage:**

Store below 25°C. Protect from light. Reconstituted solution should be used immediately or stored at 2°C–8°C for no more than 24 hours. Keep out of reach of children.

Manufactured in India for:



**Cafoli Lifecare Pvt. Ltd.**

**(An ISO 9001: 2015 Certified Co.)**

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