

# Moxyplit CV 375 Tablet

## Amoxicillin (250mg) + Clavulanic Acid (125mg) Tablet

### Composition:

#### Each tablet contains:

- **Amoxicillin (as Amoxicillin Trihydrate) - 250mg**
- **Clavulanic Acid (as Potassium Clavulanate) - 125mg**

### Description:

Amoxicillin is a broad-spectrum antibiotic in the penicillin class. It works by inhibiting bacterial cell wall synthesis, leading to bacterial cell death. Clavulanic acid is a beta-lactamase inhibitor, which prevents certain bacteria from inactivating amoxicillin through the production of beta-lactamase enzymes.

### Indications:

Amoxicillin + Clavulanic Acid tablets are indicated for the treatment of infections caused by susceptible organisms, including:

- **Respiratory Tract Infections:** Pneumonia, acute otitis media, bronchitis, and sinusitis.
- **Urinary Tract Infections:** Cystitis, pyelonephritis, and other urinary tract infections.
- **Skin and Soft Tissue Infections:** Cellulitis, impetigo, infected wounds.
- **Intra-abdominal Infections:** Peritonitis, intra-abdominal abscesses.
- **Gynecological Infections:** Pelvic inflammatory disease (PID).
- **Bone and Joint Infections:** Osteomyelitis, septic arthritis.

### Dosage and Administration:

- **Adults and Children  $\geq 12$  years:** The usual dose is one tablet of 250mg amoxicillin/125mg clavulanic acid every 8 hours (three times daily). The dose may vary depending on the severity of the infection and the patient's response.
- **Children (under 12 years):** Dosage for children is based on weight and the severity of the infection. Typically, 20mg/kg to 40mg/kg of amoxicillin per day, divided into two or three doses. Specific dosing should be determined by a healthcare provider.
- **Renal Impairment:** Dosage may require adjustment in patients with renal dysfunction. Consult a healthcare provider for appropriate dosing.

### Administration:

- Take the tablet orally with a glass of water, preferably at the start of a meal to reduce gastrointestinal discomfort.
- Swallow the tablet whole. Do not crush, chew, or break the tablet.

### Contraindications:

- **Hypersensitivity:** Known hypersensitivity to amoxicillin, clavulanic acid, or other penicillins.
- **History of Jaundice or Hepatic Dysfunction:** Related to the use of amoxicillin/clavulanic acid.
- **Severe Renal Impairment:** Use with caution in patients with severe renal dysfunction, as dose adjustment may be necessary.

### Precautions:

- **Hypersensitivity Reactions:** Use with caution in patients with a history of allergies to penicillin or beta-lactam antibiotics.
- **Renal and Hepatic Impairment:** Use with caution in patients with renal or liver disease. Dose adjustment may be necessary.
- **Superinfection:** Prolonged use may lead to the overgrowth of non-susceptible organisms, including fungi.
- **Clostridium Difficile-Associated Diarrhea:** Can occur with the use of antibiotics, especially after prolonged treatment.
- **Methotrexate:** Amoxicillin can reduce methotrexate clearance, increasing toxicity risk.
- **Anticoagulants:** Use with caution in combination with anticoagulants (e.g., warfarin) as amoxicillin may enhance anticoagulant effects, increasing the risk of bleeding.

#### **Storage:**

- Store the tablets at room temperature (15°C to 30°C), in a dry place, away from light.
- Keep the tablets in their original container to protect from moisture.

#### **Side Effects:**

##### **Common side effects include:**

- **Gastrointestinal:** Nausea, vomiting, diarrhea, abdominal pain.
- **Dermatologic:** Rash, itching, or hives.
- **Hematologic:** Reversible changes in blood counts, such as leukopenia, thrombocytopenia.
- **Headache:** Mild headache may occur.

##### **Serious side effects (rare but possible):**

- **Allergic Reactions:** Anaphylaxis, angioedema (swelling of the face, lips, tongue, or throat).
- **Liver Toxicity:** Hepatitis, elevated liver enzymes, jaundice.
- **Severe Diarrhea:** Clostridium difficile-associated diarrhea, which may require discontinuation of the drug.

#### **Drug Interactions:**

- **Oral Contraceptives:** Amoxicillin may reduce the effectiveness of oral contraceptives. Additional contraceptive methods should be considered.
- **Probenecid:** May reduce renal clearance of amoxicillin, leading to increased blood levels.

#### **Overdose:**

In case of overdose, symptoms may include gastrointestinal disturbances such as nausea, vomiting, and diarrhea. In severe cases, renal dysfunction or seizures may occur. Treatment is symptomatic, and supportive care should be provided. **Packaging:**

**Amoxicillin (250mg) + Clavulanic Acid (125mg) tablets** are available in blister packs or bottles containing multiple tablets.

#### **Note:**

- Complete the full course of therapy as prescribed to prevent antibiotic resistance.
- Always consult a healthcare provider before starting or discontinuing any medication.

Manufactured in India for:



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