

Tillpime 1000 Injection

Cefepime (1000 mg) Injection

Description:

Cefepime (1000 mg) is a broad-spectrum cephalosporin antibiotic used for the treatment of various bacterial infections. It is an injectable formulation that works by inhibiting the growth of bacteria. Cefepime is commonly used to treat serious infections caused by gram-positive and gram-negative bacteria, including pneumonia, urinary tract infections (UTIs), skin infections, intra-abdominal infections, and sepsis.

Composition:

- Cefepime: 1000 mg (1 g) per vial of injection
-

Indications:

Cefepime injection is used for the treatment of the following conditions caused by susceptible bacteria:

1. Pneumonia (both community-acquired and hospital-acquired)
2. Urinary Tract Infections (UTIs)
3. Intra-abdominal infections (including peritonitis and abscesses)
4. Skin and soft tissue infections (e.g., cellulitis, wound infections)
5. Sepsis and bacteremia (bacterial infections in the bloodstream)
6. Febrile neutropenia (a condition characterized by fever and low white blood cell count)

7. Complicated infections in patients with immunocompromised conditions (e.g., cancer, organ transplants)
 8. Meningitis (infections of the brain and spinal cord, though less common)
-

Dosage and Administration:

Cefepime injection is typically administered by intravenous (IV) infusion or intramuscular (IM) injection. The exact dosage and duration of treatment depend on the type of infection, the severity of the infection, and the patient's individual medical condition.

1. For Adults:

- Severe infections (e.g., pneumonia, UTIs): 1 to 2 grams every 12 hours, depending on the infection type.
- Complicated infections (e.g., sepsis, intra-abdominal infections): 2 grams every 12 hours.

2. For Pediatric Patients:

- General dosing: The typical dosage for children is 50 mg/kg per day, divided into two doses, depending on the severity and type of infection.

3. Patients with Renal Impairment:

- Dose adjustments may be required for patients with reduced kidney function. Renal clearance of Cefepime is decreased in patients with kidney impairment, so dosage may need to be adjusted based on creatinine clearance levels.

4. Route of Administration:

- Cefepime is administered via IV infusion or IM injection.

- For IV infusion, Cefepime should be diluted and infused over 30 minutes to 1 hour.
- For IM injection, it should be injected slowly into a large muscle mass.

Side Effects:

While Cefepime is generally well tolerated, some side effects may occur:

1. Common Side Effects:

- Injection site reactions (pain, redness, swelling)
- Diarrhea or loose stools
- Nausea or vomiting

2. Serious Side Effects (Rare but possible):

- Allergic reactions (e.g., anaphylaxis, hives, swelling, difficulty breathing)
- Severe diarrhea (including *Clostridium difficile*-associated diarrhea)
- Kidney problems (e.g., increased creatinine, renal dysfunction)

Precautions:

- **Allergy to Beta-lactams:**
 - Patients who are allergic to penicillin or other beta-lactam antibiotics should use Cefepime with caution, as there is a risk of cross-reactivity.
- **Renal Impairment:**
 - Dose adjustment is required for patients with impaired kidney function.
- **Pregnancy and Breastfeeding:**
 - **Pregnancy Category B:** Cefepime has been shown to be safe during pregnancy in animal studies, but its safety during human pregnancy is not fully established. Use only when clearly needed and

prescribed by a healthcare provider.

- **Breastfeeding:** Cefepime passes into breast milk in small amounts, but it is considered safe for use during breastfeeding. However, consult with a healthcare provider before use.
- **Superinfection:**
 - Prolonged use of Cefepime may result in the overgrowth of non-susceptible organisms (e.g., fungi or *Clostridium difficile*), which can lead to superinfection.

Storage:

- Store Cefepime injection in a cool, dry place at room temperature (15°C to 30°C).
- Protect from light and moisture.
- Keep out of the reach of children.

Note: Cefepime should only be used for bacterial infections and is not effective against viral infections (e.g., the common cold, flu). Ensure appropriate antibiotic stewardship and only use Cefepime as prescribed by a healthcare provider to avoid misuse and potential resistance.

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

Plot no.: 367-FF, Industrial Area Phase-I,

Panchkula-134113

TM: Trademark Applied for