

# Fritcet S 375 Injection

## Ceftriaxone (250mg) + Sulbactam (125mg) Injection

This combination injection contains Ceftriaxone, a third-generation cephalosporin antibiotic, and Sulbactam, a beta-lactamase inhibitor. Together, they offer a broad-spectrum antimicrobial effect, making it effective against a wide range of bacterial infections.

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### Composition:

- Ceftriaxone Sodium: 250mg
  - Sulbactam Sodium: 125mg
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### Indications:

This injection is used for the treatment of bacterial infections caused by susceptible organisms, including but not limited to:

1. **Respiratory Tract Infections:**
  - Pneumonia
  - Bronchitis
2. **Urinary Tract Infections (UTIs):**
  - Pyelonephritis
  - Cystitis
3. **Skin and Soft Tissue Infections:**
  - Cellulitis
  - Wound infections
4. **Intra-abdominal Infections:**
  - Peritonitis
  - Appendicitis
5. **Gynecological Infections:**
  - Pelvic inflammatory disease (PID)
6. **Sepsis and Septicemia**
7. **Bone and Joint Infections:**
  - Osteomyelitis
  - Septic arthritis

8. **Meningitis and other central nervous system infections.**
  9. **Post-surgical Prophylaxis: Prevention of infections in surgical procedures.**
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### Mechanism of Action:

1. **Ceftriaxone: Inhibits bacterial cell wall synthesis by binding to penicillin-binding proteins (PBPs), leading to bacterial cell death.**
  2. **Sulbactam: Inhibits beta-lactamase enzymes produced by certain bacteria, which helps in preventing the degradation of Ceftriaxone, thereby enhancing its efficacy.**
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### Dosage & Administration:

- **Adults and Children >12 years:**
    - Usual Dose: 375 mg (Ceftriaxone 250 mg + Sulbactam 125 mg) every 12 hours.
  - **Children (below 12 years):**
    - Dose is calculated based on body weight. Typically, 20–50 mg/kg/day divided into 2 doses.
  - **Route of Administration:**
    - Can be administered via intravenous (IV) or intramuscular (IM) route.
    - For IM Use: Reconstitute with sterile water or lidocaine (if indicated for pain reduction during IM administration).
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### Preparation:

- **Reconstitute the vial with the specified volume of sterile water for injection as per the manufacturer's instructions.**
  - **Shake well until completely dissolved.**
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### **Side Effects:**

- **Common Side Effects:**
    - **Pain or redness at the injection site**
    - **Nausea or vomiting**
  - **Serious Side Effects (Rare):**
    - **Severe allergic reactions (anaphylaxis)**
    - **Clostridium difficile-associated diarrhea (CDAD)**
    - **Elevated liver enzymes or jaundice**
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### **Precautions:**

- 1. Allergy:**
    - **Contraindicated in patients with known hypersensitivity to cephalosporins or beta-lactam antibiotics.**
  - 2. Renal and Hepatic Impairment:**
    - **Use with caution in patients with kidney or liver disorders; dosage adjustments may be necessary.**
  - 3. Pregnancy and Lactation:**
    - **Pregnancy Category B: Safe in pregnancy when clearly needed.**
    - **Excreted in small amounts in breast milk; consult a healthcare provider if used during breastfeeding.**
  - 4. Concurrent Use with Calcium-containing Solutions:**
    - **Avoid mixing or administering simultaneously due to the risk of precipitation.**
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### **Drug Interactions:**

- 1. Aminoglycosides: Enhanced nephrotoxicity when used together.**
  - 2. Anticoagulants: May increase the risk of bleeding.**
  - 3. Probenecid: Increases the concentration of Ceftriaxone by reducing renal clearance.**
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### **Storage:**

- **Store the vial at room temperature (15–25°C) before reconstitution.**
  - **Use the reconstituted solution immediately. If not used, store it in a refrigerator and use within the timeframe recommended by the manufacturer.**
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### **Key Counseling Points:**

- **Complete the prescribed course of therapy even if symptoms improve.**
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**This Ceftriaxone (250mg) + Sulbactam (125mg) Injection provides effective and broad-spectrum coverage for a variety of bacterial infections, ensuring better patient outcomes when used as directed.**

Manufactured in India for:

  
**Cafoli**<sup>TM</sup>  
L I F E C A R E  
Cafoli Lifecare Pvt. Ltd.  
(An ISO 9001: 2015 Certified Co.)  
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