

Cefazol™

Cefazolin Injection



Presentation

Cefazol™ 500 mg Injection: Each vial contains Cefazolin Sodium USP equivalent to Cefazolin 500 mg.

Cefazol™ 1 gm Injection: Each vial contains Cefazolin Sodium USP equivalent to Cefazolin 1 gm.

Description

Cefazolin is a 1st generation semi-synthetic cephalosporin antibiotic for parenteral administration. It comes in a white to yellowish powder for injection form.

Indication and uses

Cefazolin is indicated in the treatment of the following serious infections-

Respiratory Tract Infections: Due to *S. pneumoniae*, *Klebsiella*, *H. influenzae*, *S. aureus* and group A beta-hemolytic streptococci. Cefazolin is effective in the eradication of streptococci from the nasopharynx.

Urinary Tract Infections: Due to *E. coli*, *P. mirabilis*, *Klebsiella* species, and some strains of enterobacter and enterococci .

Skin and Skin Structure Infections: Due to *S. aureus*, group A beta-hemolytic streptococci, and other strains of streptococci .

Biliary Tract Infections: Due to *E. coli*, various strains of streptococci, *P. mirabilis*, *Klebsiella* species and *S. aureus* .

Bone and Joint Infections: Due to *S. aureus*.

Genital Infections: Due to *E. coli*, *P. mirabilis*, *Klebsiella* species, and some strains of enterococci .

Septicemia: Due to *S. pneumoniae*, *S. aureus*, *P. mirabilis*, *E. coli*, and *Klebsiella* species .

Endocarditis: Due to *S. aureus* and group A beta-hemolytic streptococci .

Perioperative Prophylaxis: The prophylactic administration of Cefazolin for Injection preoperatively, intraoperatively, and postoperatively may reduce the incidence of certain postoperative infections in patients.

Dosage And Administration

Usual Adult Dosage

Type of Infection	Dose	Frequency
Moderate to severe infections	500 mg to 1 gm	every 6 to 8 hrs
Mild infections caused by Gram-positive cocci	250 mg to 500 mg	every 8 hours
Acute, uncomplicated urinary tract infections	1 gm	every 12 hours
Pneumococcal pneumonia	500 mg	every 12 hours
Severe, life-threatening infections	1 gm to 1.5 gm	every 6 hours

Perioperative Prophylactic dose: To prevent postoperative infection, the recommended doses are:

- I . 1 gm IV or IM administered 1/2 hour to 1 hour prior to the start of surgery
- II . For lengthy surgery (e.g. 2 hours or more), 500 mg to 1 gm IV or IM during surgery
- III . 500 mg to 1 gm IV or IM every 6 to 8 hours for 24 hours postoperatively

Intramuscular Administration: Reconstitute vials with sterile Water for Injection. Shake well until dissolved. Cefazolin should be injected into a large muscle mass.

Intravenous Administration: For direct injection reconstitution, dilute vials with approximately 10 ml Sterile Water for Injection for 500 mg and 1 gm. Inject the solution slowly over 3 to 5 minutes. For continuous infusion dilute reconstituted in 50 to 100 mL of one of the following solutions: 0.9% Sodium Chloride Injection, 5% or 10% Dextrose Injection, 5% Dextrose and 0.9% Sodium Chloride Injection.

Pediatric Dosage: In pediatric patients, a total daily dosage of 25 to 50 mg per kg of body weight, divided into 3 or 4 equal doses, is effective for most mild to moderately severe infections. Total daily dosage may be increased to 100 mg per kg of body weight for severe infections. Since safety of Cefazolin use in infants has not been established, it is not recommended.

Adverse Reaction

Swelling, redness, pain, or soreness at the injection site may occur. This medication may also rarely cause loss of appetite, nausea, vomiting, diarrhea or headache.

Precaution

When Cefazolin is administered to patients with impaired renal function, lower daily dosage is required or otherwise seizures may occur. It should be prescribed with caution in individuals with a history of gastrointestinal disease, particularly colitis.

Pregnancy and Lactation

There are no adequate studies in pregnant women for this drug so this drug should be used during pregnancy only if clearly needed. Cefazolin is present in very low concentrations in the milk of nursing mothers so caution should be exercised.

Drug Interactions

Probenecid may decrease renal tubular secretion of Cefazolin, when used concurrently, resulting in increased Cefazolin blood levels.

Contraindications

Cefazolin is contraindicated in patients with known allergy to the cephalosporin group of antibiotics.

Storage Condition

Do not store above 30 °C. Keep away from light and out of the reach of children.

Commercial Pack

Cefazol™ 500 mg Injection: Each box contains one vial of Cefazolin Sodium USP equivalent to Cefazolin 500 mg, one ampoule of 10 ml Water for Injection, one sterile disposable syringe (10ml) and one butterfly needle.

Cefazol™ 1 gm Injection: Each box contains one vial of Cefazolin Sodium USP equivalent to Cefazolin 1 gm, one ampoule of 10 ml Water for Injection, one sterile disposable syringe (10ml) and one butterfly needle.

Manufactured by
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