Medication Formulary

**Generic Name:** Cefotaxime Sodium

**Brand Name:** Calforan

**Class:** Electrolyte

**Actions:** Inhibits bacterial cell wall synthesis by binding to one or more of the penicillin-binding proteins (PBPs) which in turn, inhibit the final transpeptidation step of peptidoglycan synthesis in bacterial cell walls, thus inhibiting cell wall biosynthesis.

**Onset:** Immediate

**Duration:** 4 – 12 hours.

**Indications:** Lower respiratory tract, genitourinary, gynecologic, skin, bone, and joint, and central nervous system infections and for bacterial septicemia caused by strains of susceptible microorganisms.

**Contraindications:** Hypersensitivity to cephalosporins or penicillins.

**Side Effects:** pruritus, colitis, fungal infections, and injection site reactions.

**Interactions:** Increased risk of nephrotoxicity when used with Aminoglycosides, and loop diuretics.

**Administration Routes:** IV, IM