



REGIONAL PEDIATRIC PARENTERAL DRUG MONOGRAPH

GENERIC NAME
cefOXitin

Effective Date: Sept10-2014

Revised Date: Jan 12 2022

CLASSIFICATION
Antibiotic

OTHER NAMES
Mefoxin

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ADMINISTRATION POLICY:

- IV bolus - May be administered by a nurse
- IV Infusion – May be administered by a nurse **MINI-BAG PLUS COMPATIBLE**
- IM Injection – May be administered by a nurse
- Subcut - Not recommended

RECONSTITUTION/DILUTION/ADMINISTRATION:

Available as: 1000 mg vial

Reconstitution: IV: Add 9.5 mL unpreserved sterile water for injection. Shake until drug is dissolved.
Final volume: 10 mL Final concentration: 100 mg/mL
IM: Add 3.5 mL unpreserved sterile water for injection. Shake until drug is dissolved.
Final volume: 4 mL Final concentration: 250 mg/mL

IV Bolus: Administer over 3 to 5 minutes

Intermittent: **MINI-BAG PLUS COMPATIBLE**
Dilute in normal saline and infuse over 15 to 60 minutes

IM: Administer deep into a large muscle mass

DOSAGE:

Less than 30 days: 40 to 80 mg per kg per 24 hours divided every 8 to 12 hours
Greater than or equal to 30 days: 80 to 100 mg per kg per 24 hours divided every 6 to 8 hours
Greater than or equal to 3 months: 80 to 160 mg per kg per 24 hours divided every 6 to 8 hours

Surgical Prophylaxis: IV/IM: Pre Op 25 mg per kg per dose x 1 dose (maximum 1 gram)
alternate 30 to 40 mg per kg per dose 30 to 60 minutes pre-op, then every 6 hours x 24 hours post-op (maximum 1 gram)

Renal Impairment: Dosage adjustment required:
CrCl 30 to 50 mL per min/1.73 m²: every 12 hours;
CrCl 10 to 30 mL per min/1.73 m²: every 24 hours;
CrCl less than 10 mL per min/1.73 m²: every 24 to 48 hours

Hepatic Impairment: No dosage adjustment required

Obesity: Use ideal body weight (IBW) OR adjusted body weight (AdBW = IBW + 0.3 (actual BW – IBW))

Maximum single dose: 1 gram

Maximum rate: **IV bolus:** 1 gram over 5 minutes

Maximum concentration: IV: 100 mg/mL
IM: 400 mg/mL



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STABILITY/COMPATIBILITY:

Stability of Final Admixture: 24 hours at room temperature

Compatibility: Compatible with normal saline, D5W

POTENTIAL HAZARDS:

- Hypersensitivity: maculopapular or erythematous rash, exfoliative dermatitis, pruritis, eosinophilia, fever, anaphylaxis (rare)
- GI: nausea, vomiting, diarrhea, pseudomembranous colitis (rare)
- Hemat: neutropenia, leukopenia, hemolytic anemia, positive direct Coombs test
- Hepatic: transient elevations in liver function test
- Neuro: fever, headache
- Renal: transient rise in urea and serum creatinine
- Local: phlebitis at IV site; pain at IM site
- Other: rash, urticaria

CAUTION

- adjust dose in patients with renal impairment

CONTRAINDICATIONS

- allergic reactions to cephalosporin antibiotic

ADDITIONAL NOTES: