

● **RENAL IMPAIRMENT**

Dose adjustments Reduce parenteral dose if estimated glomerular filtration rate less than 20 mL/minute/1.73 m².

● **DIRECTIONS FOR ADMINISTRATION**

- ▶ With intramuscular use or intravenous use Single doses over 750 mg should be administered by the intravenous route only.
- ▶ With intravenous use Displacement value may be significant when reconstituting injection, consult local guidelines. For intermittent intravenous infusion, dilute reconstituted solution further in glucose 5% or sodium chloride 0.9%; give over 30 minutes.

● **PRESCRIBING AND DISPENSING INFORMATION**

- ▶ With oral use See Lyme disease p. 374 for information on treatment.

- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug. Forms available from special-order manufacturers include: solution for injection, infusion

Tablet

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▶ **Cefuroxime (Non-proprietary)**

Cefuroxime (as Cefuroxime axetil) 250 mg Cefuroxime 250mg tablets | 14 tablet [PoM] £17.72 DT = £17.72

▶ **Zinnat (GlaxoSmithKline UK Ltd)**

Cefuroxime (as Cefuroxime axetil) 125 mg Zinnat 125mg tablets | 14 tablet [PoM] £4.56 DT = £4.56

Cefuroxime (as Cefuroxime axetil) 250 mg Zinnat 250mg tablets | 14 tablet [PoM] £9.11 DT = £17.72

Powder for injection

ELECTROLYTES: May contain Sodium

▶ **Cefuroxime (Non-proprietary)**

Cefuroxime (as Cefuroxime sodium) 250 mg Cefuroxime 250mg powder for injection vials | 10 vial [PoM] £9.25 (Hospital only)

Cefuroxime (as Cefuroxime sodium) 750 mg Cefuroxime 750mg powder for injection vials | 1 vial [PoM] £2.52 | 10 vial [PoM] £25.20 | 10 vial [PoM] £24.90 (Hospital only)

Cefuroxime (as Cefuroxime sodium) 1.5 gram Cefuroxime 1.5g powder for injection vials | 1 vial [PoM] £5.05 | 10 vial [PoM] £50.50 | 10 vial [PoM] £50.50 (Hospital only)

▶ **Zinacef (GlaxoSmithKline UK Ltd)**

Cefuroxime (as Cefuroxime sodium) 250 mg Zinacef 250mg powder for injection vials | 5 vial [PoM] £4.70

Cefuroxime (as Cefuroxime sodium) 750 mg Zinacef 750mg powder for injection vials | 5 vial [PoM] £11.72 (Hospital only)

Cefuroxime (as Cefuroxime sodium) 1.5 gram Zinacef 1.5g powder for injection vials | 1 vial [PoM] £4.70

Oral suspension

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EXCIPIENTS: May contain Aspartame, sucrose

▶ **Zinnat (GlaxoSmithKline UK Ltd)**

Cefuroxime (as Cefuroxime axetil) 25 mg per 1 ml Zinnat 125mg/5ml oral suspension | 70 ml [PoM] £5.20 DT = £5.20

ANTIBACTERIALS > CEPHALOSPORINS, THIRD-GENERATION

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Cefixime● **INDICATIONS AND DOSE**

Acute infections due to sensitive Gram-positive and Gram-negative bacteria

- ▶ BY MOUTH
- ▶ Child 6–11 months: 75 mg daily
- ▶ Child 1–4 years: 100 mg daily
- ▶ Child 5–9 years: 200 mg daily
- ▶ Child 10–17 years: 200–400 mg daily, alternatively 100–200 mg twice daily

Uncomplicated gonorrhoea

- ▶ BY MOUTH
- ▶ Child 12–17 years: 400 mg for 1 dose

- **UNLICENSED USE** Use of cefixime for uncomplicated gonorrhoea is an unlicensed indication.

- **INTERACTIONS** → Appendix 1: cephalosporins

- **SIDE-EFFECTS** Acute kidney injury · arthralgia · drug fever · dyspepsia · dyspnoea · face oedema · flatulence · genital pruritus · hypereosinophilia · jaundice · serum sickness-like reaction · thrombocytosis

- **PREGNANCY** Not known to be harmful.

- **BREAST FEEDING** Manufacturer advises avoid unless essential—no information available.

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Tablet

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▶ **Suprax (Sanofi)**

Cefixime 200 mg Suprax 200mg tablets | 7 tablet [PoM] £13.23 DT = £13.23

Cefotaxime

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● **INDICATIONS AND DOSE**

Uncomplicated gonorrhoea

▶ BY INTRAMUSCULAR INJECTION

- ▶ Child 12–17 years: 500 mg for 1 dose

Severe exacerbations of *Haemophilus influenzae* infection in cystic fibrosis

- ▶ BY INTRAVENOUS INJECTION, OR BY INTRAVENOUS INFUSION
- ▶ Child: 50 mg/kg every 6–8 hours; maximum 12 g per day

Congenital gonococcal conjunctivitis

▶ BY INTRAMUSCULAR INJECTION

- ▶ Neonate: 100 mg/kg (max. per dose 1 g) for 1 dose.

Infections due to sensitive Gram-positive and Gram-negative bacteria | Surgical prophylaxis | *Haemophilus epiglottitis*

▶ BY INTRAMUSCULAR INJECTION, OR BY INTRAVENOUS INJECTION, OR BY INTRAVENOUS INFUSION

- ▶ Neonate up to 7 days: 25 mg/kg every 12 hours.

- ▶ Neonate 7 days to 20 days: 25 mg/kg every 8 hours.

- ▶ Neonate 21 days to 28 days: 25 mg/kg every 6–8 hours.

- ▶ Child: 50 mg/kg every 8–12 hours

Severe susceptible infections due to sensitive Gram-positive and Gram-negative bacteria | Meningitis

▶ BY INTRAMUSCULAR INJECTION, OR BY INTRAVENOUS INJECTION, OR BY INTRAVENOUS INFUSION

- ▶ Neonate up to 7 days: 50 mg/kg every 12 hours.

- ▶ Neonate 7 days to 20 days: 50 mg/kg every 8 hours.

- ▶ Neonate 21 days to 28 days: 50 mg/kg every 6–8 hours.

- ▶ Child: 50 mg/kg every 6 hours; maximum 12 g per day

Emergency treatment of suspected bacterial meningitis or meningococcal disease, before urgent transfer to hospital, in patients who cannot be given benzylpenicillin (e.g. because of an allergy)

▶ BY INTRAVENOUS INJECTION, OR BY INTRAMUSCULAR INJECTION

- ▶ Child 1 month–11 years: 50 mg/kg for 1 dose
- ▶ Child 12–17 years: 1 g for 1 dose

- **INTERACTIONS** → Appendix 1: cephalosporins

● **SIDE-EFFECTS**

- ▶ **Uncommon** Drug fever · Jarisch-Herxheimer reaction · renal impairment · seizure