CEFUROXIME

BRAND NAME	Cefuroxime SXP
DRUG CLASS	Cephalosporin antibiotic
AVAILABILITY	Vial contains 750 mg of cefuroxime as cefuroxime sodium.[1] Contains 1.77 mmol (40.65 mg) of sodium.[1]
WARNINGS	Contraindicated in patients with severe immediate (IgE mediated) or severe delayed (T-cell mediated) hypersensitivity to penicillins. Seek specialist advice for patients with non-severe immediate hypersensitivity to penicillins.
pH	6–8.5 when reconstituted[2]
PREPARATION	For IM injection: reconstitute the vial with 3 mL of water for injections. Shake gently to form an off-white suspension. The concentration is approximately 216 mg/mL.[3] For IV injection: reconstitute the vial with 6 mL of water for injections. The solution is clear and colourless to yellow. The concentration is approximately 116 mg/mL.[1,3] Powder volume – 0.45 mL.[1,4]
STABILITY	Vial: store below 25 °C. Protect from light.[1] Reconstituted solution: stable for 5 hours at 25 °C or 24 hours at 2 to 8 °C.[1] Infusion solution: stable for 6 hours at 25 °C or 24 hours at 2 to 8 °C.[1]
ADMINISTRATION	
IM injection	Not recommended.[1] Suitable for doses up to 750 mg only, for higher doses use the IV route.[5]
SUBCUT injection	Not recommended
IV injection	Inject over 3 to 5 minutes.[1]
IV infusion	Dilute the dose in 50–100 mL of a compatible fluid and infuse over 30 to 60 minutes.[1]
COMPATIBILITY	
Fluids	Glucose 5%,[1,3] glucose and sodium chloride solutions,[1,3] Hartmann's,[1,3] Ringers,[1,3] sodium chloride 0.9%[1,3]
Y-site	No information
INCOMPATIBILITY	
Fluids	No information
Drugs	No information
SPECIAL NOTES	May cause injection site reactions such as pain and thrombophlebitis.[1]

REFERENCES

1. Product information. Available from www.tga.gov.au. Accessed 29/04/2021.
2. Cefuroxime. In: DRUGDEX [internet]. Greenwood Village, CO: Truven Health Analytics. Accessed 29/04/2021.
3. Cefuroxime sodium for injection 750mg. Summary of product characteristics. Dublin, Ireland: Flynn Pharma. Approved 01/06/2005. Updated 16/08/2018. Available from www.medicines.org.uk. Accessed 29/04/2021.
4. Scientific affairs. Cefuroxime SXP 750mg injection [email]. Hawthorn, Vic:: Southern Cross Pharma; 25/05/2021.
5. Joint Formulary Committee. BNF 80 (British National Formulary). Basingstoke, UK: Pharmaceutical Press; September 2020-March 2021.