FLUCLOXACILLIN SODIUM

SYNONYMS
Floxacillin sodium

TRADE NAME
FLUBICLOX, FLUCIL, FLUCLOXACILLIN SODIUM POWDER FOR INJECTION (DBL)

DRUG CLASS
Penicillin antibiotic

AVAILABILITY
Vial contains 500 mg or 1 g of flucloxacillin sodium.¹,²

pH
No information

PREPARATION
For IM use: Reconstitute the 500 mg vial with 2 mL of water for injection and the 1 g vial with 2.5 mL of water for injection.¹,² May be reconstituted with lignocaine 0.5% or 1%.³

For IV use: Reconstitute the 500 mg vial with 10 mL of water for injections and the 1 g vial with 15–20 mL of water for injections. If the 1 g vial is too small to hold the 20 mL volume, carry out further dilutions in a syringe.¹,² Or reconstitute the 500 mg vial with 4.6 mL to make a concentration of 100 mg/mL or the 1 g vial with 4.3 mL to make a concentration of 200 mg/mL.¹,²

Powder volume: 500 mg – 0.4 mL, 1 g – 0.7 mL¹

ADMINISTRATION
IM injection: Inject slowly into a large muscle.¹,²

SUBCUT injection: Not recommended

IV injection: Inject slowly over 3 to 4 minutes.¹,²

IV infusion: Dilute the dose in 100 mL of a compatible fluid and infuse over 30 to 60 minutes.⁴ May also be given as a 24-hour continuous ambulatory infusion in the home.⁵ See SPECIAL NOTES. A central line is preferred for continuous infusions due to the high incidence of phlebitis with a peripheral line.⁶

IV use for infants and children: Dilute to 50 mg/mL or weaker and inject over 3 to 4 minutes¹ or infuse over 20 to 30 minutes.⁷ Infuse doses greater than 25 mg/kg to avoid phlebitis.⁸

STABILITY
Vial: Store below 25 °C. Protect from light.¹,²

Reconstituted solution: Use immediately.¹,²

Diluted solution: Stable for 24 hours at 2 to 8 °C.¹,² See SPECIAL NOTES

COMPATIBILITY
Compatible fluids: Glucose 5%,¹,² glucose in sodium chloride solutions¹,², Hartmann’s,⁸ sodium chloride 0.9%.¹,²

Compatible via Y-site: No information

Compatible in syringe: No information

(continued)
INCOMPATIBILITY

**Incompatible fluids:** Blood products\(^1,2\), protein-containing fluids\(^1,2\), lipid emulsions

**Incompatible drugs:** Aminoglycosides – amikacin, gentamicin, tobramycin\(^1\), amiodarone\(^1\), atropine\(^1\), buprenorphine\(^1\), calcium gluconate\(^1\), chlorpromazine\(^9\), ciprofloxacin\(^1\), dobutamine\(^1\), erythromycin\(^1\), lorazepam\(^9\), metoclopramide\(^9\), midazolam\(^9\), morphine sulfate\(^1\), pethidine\(^1\), promethazine\(^9\), verapamil\(^9\)

SPECIAL NOTES

**Contraindication:** Patients with severe hypersensitivity to penicillins, carbapenems and cephalosporin antibiotics.\(^1,2\)

For 24-hour continuous ambulatory infusions more concentrated solutions may be required. Stability information is available for longer storage at 2 to 8 °C and for stability during use at body temperature (up to 37 °C). Buffering may be required for extended stability at 37 °C.\(^{10}\) Consult the pharmacist, pharmacy department or medicines information service for further information.

Injection-site reactions include pain after IM injection and phlebitis after IV injection.\(^1\)

May also be given by intra-pleural and intra-articular routes.\(^1,2\) Consult the pharmacist, pharmacy department or medicines information service for further information.

Each gram of flucloxacillin sodium contains 2 mmol of sodium.\(^1,2\)

REFERENCES