EPHEDRINE

DRUG NAME Ephedrine hydrochloride, ephedrine sulfate

BRAND NAME EPHEDRINE HYDROCHLORIDE MYX, WOCKHARDT, EPHEDRINE AGUETTANT (JUNO) EPHEDRINE SULFATE INJECTION DBL

DRUG CLASS Sympathomimetic

AVAILABILITY MYX ampoule contains 25 mg/mL of ephedrine hydrochloride.1 JUNO ampoule and prefilled syringe and Wockhardt ampoule contain 30 mg/10 mL of ephedrine hydrochloride. Also contains sodium chloride, citric acid monohydrate and sodium citrate.1 DBL ampoule contains 30 mg/mL of ephedrine sulfate. Also contains sodium chloride.1 The solution is clear and colourless.1

WARNING Extravasation may cause tissue necrosis and sloughing.1

pH Ephedrine hydrochloride 30 mg/10 mL 4–5.51 Ephedrine sulfate: 4.5–72

PREPARATION MYX and DBL ampoules must be diluted before IV injection.1

STABILITY Ampoule and prefilled syringe: store below 25 °C. Protect from light.1 Diluted solution: stable for 24 hours at 2 to 8 °C.1

ADMINISTRATION IM injection Ephedrine sulfate: suitable.1
SUBCUT injection Ephedrine sulfate: suitable1
IV injection Preferred route when an immediate response is required.1 Ephedrine hydrochloride MYX: dilute 1 mL to 10 mL with sodium chloride 0.9% to make a concentration of 2.5 mg/mL. Inject slowly in doses of 2.5–5 mg every 3 to 4 minutes to a maximum of 30 mg.1 Ephedrine hydrochloride Juno, Wockhardt: inject slowly in doses of 3–10 mg every 3 to 4 minutes to a maximum of 30 mg.1 Ephedrine sulphate: dilute 1 mL to 10 mL to make a concentration of 3 mg/mL. Inject doses of 5–25 mg slowly, every 5 to 10 minutes.1,3

IV infusion No information

COMPATIBILITY Fluids Ephedrine hydrochloride: Hartmann’s1, sodium chloride 0.9%1 Ephedrine sulfate: glucose 5%, glucose 10%,1 Hartmann’s1,4 Plasma-Lyte 148 via Y-site5, Ringer’s5, sodium chloride 0.9%1,4

Y-site Ephedrine hydrochloride: some information is available.6 Contact the pharmacist, pharmacy department or medicines information service for advice. Ephedrine sulfate at 5 mg/mL: bivalirudin4, dexmedetomidine4

INCOMPATIBILITY Fluids No information

Drugs Azathioprine6, caspofungin6, ganciclovir6, hydrocortisone sodium succinate1, pentamidine7, phenobarbital (phenobarbitone)6, thiopental sodium1

SPECIAL NOTES Monitor blood pressure and urinary output. Continuous cardiac monitoring is recommended.1

2. Hobbs P. pH of DBL Ephedrine [email]. Melbourne, VIC: Hospira Pty Ltd, a Pfizer company. 01/06/16.