Adrenaline (Epinephrine)

CAUTION: High Administration Risk Rating	
Form	1 in 10,000 (1mg per 10mL) prefilled syringe (Resuscitation trolley only) 1 in 1,000 (1mg per 1mL) ampoule
Reconstitution	Prefilled syringe: Already in solution Ampoule: Already in solution. • **Draw up using a 5 micron filter needle** • **Use gloves when opening ampoules** **Dilute further before IV administration.**
Compatibility & Stability	Sodium Chloride 0.9% Glucose 5%
Administration	**IV injection** Use 1 in 10,000 (1mg per 10mL) prefilled syringe where available. If the prefilled syringe is not available the 1 in 1,000 (1mg per 1mL) preparation should be diluted to 1 in 10,000. Dilute 1mL with 9mL Sodium Chloride 0.9% and mix well. Give by rapid IV injection. Administer via a central venous access device if already in place, or into a large peripheral vein. IV injection administered via a peripheral vein should be followed by a 20mL flush of Sodium Chloride 0.9% to aid entry into the central circulation. **IM Injection** Use 1 in 1,000 (1mg per 1 mL) ampoule. **IV infusion** Contact ITU/Pharmacy for guidance. Discoloured solutions or solutions containing precipitate should not be used.
Extravasation	Extravasation may cause tissue damage.
Additional Information	• Repeated local administration may produce necrosis at the sites of injection. • Intramuscular injections of Adrenaline into the buttocks should be avoided because of the risk of tissue necrosis. • See **PPG-CUH-NUR-21** - Medication Protocol for the Administration of Epinephrine (Adrenaline) Injection BP 1:1000 by IM injection nurses and midwives for the management of a patient with anaphylaxis.

Information provided relates to Adrenaline manufactured by MercuryPharma and prefilled syringes manufactured by Aurum.

This information has been summarised to act as a guide for those administering IV medication. The monograph should be used in conjunction with the drug data sheet and BNF for information on dose, adverse effects, cautions and contra-indications.
Further information is available from Pharmacy on 22146 or 22542