

# Adrenaline

## (as an inotrope)

<b>Indication</b>	Hypotension
<b>Dose</b>	Initially 0.1 micrograms/kg/minute (100 nanograms/kg/min) Adjust dose according to response (0.1-1.5 micrograms/kg/minute)
<b>Route of administration</b>	IV infusion via central line Adrenaline should <u>not</u> be given peripherally
<b>To prepare</b>	1 in 1000 (1mg/mL) injection  <b>Preferred diluent:</b> glucose 5% Other diluents: sodium chloride 0.9%  <b><u>For babies weighing less than 1kg:</u></b> <b>To make 1mg in 50mL:</b> Draw up 1mL of 1 in 1000 (1mg/mL) solution and add to 49 mL of diluent  <b><u>For babies weighing 1kg to 2.5kg:</u></b> <b>To make 2.5mg in 50mL:</b> Draw up 2.5mL of 1 in 1000 (1mg/mL) solution and add to 47.5mL of diluent  <b><u>For babies weighing greater than 2.5kg:</u></b> <b>To make 5mg in 50mL:</b> Draw up 5mL of 1 in 1000 (1mg/mL) solution and add to 45mL of diluent
<b>Compatibilities</b>	Atracurium, caffeine citrate, ceftazidime, dobutamine, dopamine, fentanyl, furosemide, heparin, hydrocortisone, midazolam, milrinone, morphine, noradrenaline, pancuronium, ranitidine.
<b>Known incompatibilities</b>	Sodium bicarbonate.
<b>Notes</b>	Do not flush the adrenaline line. On discontinuation of the adrenaline infusion run 0.5mL/hour of sodium chloride 0.9% for 3 hours to clear the line.  Adrenaline infusion can be concentrated up to 10mg in 50mL. If further information on concentrating adrenaline is needed, seek neonatal pharmacist for advice.  If there is no compatibility information for specific drugs, do not assume compatibility. For incompatible drugs or those with no compatibility information use a separate line or, for short infusions, flush well between drugs.  For side-effects see the BNFc.
<b>References</b>	Leeds Teaching Hospitals neonatal prescribing and administration monograph, Handbook on Injectable Drugs, SPC, Medusa, Medicines for Children 2003, BNFc 2016-2017, Evelina London Paediatric Formulary (accessed 10/11/16)

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Clinicians must accept individual responsibility for using this information and prescribing safely.