

Isoprenaline

FORM Ampoule containing 1 mg in 5ml

INDICATION Complete heart block

DOSE RANGE

AGE	DOSE	FREQUENCY	ROUTE
0 - 6 months	0.1 – 1 microgram/kg/minute	Continuous Infusion	IV

PRESCRIPTION OF CONTINUOUS INFUSION

600 micrograms/kg of isoprenaline in 50ml of infusion fluid

This gives:

- 0.1 micrograms/kg/min at 0.5ml/hr

RECONSTITUTION

Already in solution

DILUTION

For continuous Infusion

Using 1 mg/5ml injection

3 x wt (kg) is the number of ml of 1 mg/5ml to be diluted up to 50ml total with infusion fluid (equivalent **600 micrograms/kg in 50ml**)

METHOD OF ADMINISTRATION

By continuous intravenous infusion, flow rate adjusted according to the baby's response (see prescription section for details).

COMPATIBILITY

Solution compatibility	Glucose 5%, Sodium Chloride 0.9%
Solution incompatibility	No information
IV Line compatibility	dobutamine, dopamine, heparin, milrinone (glucose only), noradrenaline, potassium chloride, sodium nitopruside (glucose only), TPN, vecuronium (glucose only)
IV Line incompatibility	All other drugs

THIS LIST IS NOT EXHAUSTIVE PLEASE CONTACT PHARMACY FOR FURTHER INFORMATION ON COMPATIBILITY WITH ANY MEDICINES NOT INCLUDED

CAUTIONS, CONTRA-INDICATIONS AND SIDE EFFECTS

See Summary of Product Characteristics and most recent edition of BNF for Children (links below)

SPECIAL MONITORING REQUIREMENTS

ECG, arterial blood pressure, heart rate, urine flow, central venous pressure, blood pH, blood pCO₂ or bicarbonate, and cardiac output.

FURTHER INFORMATION

Discard the injection if it is pinkish or darker than slightly yellow or contains a precipitate.

SODIUM CONTENT

West of Scotland NEONATAL Parenteral Drug Monographs

PH

LICENSED STATUS Licensed product

LINKS [BNF for Children](#) / [Electronic Medicines Compendium](#):

APPLICABLE POLICIES [West of Scotland Neonatal Guidelines](#):

Consult local policy if applicable

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Administer reconstituted solutions immediately.

All vials, ampoules and infusion bags are for single use only unless otherwise stated.

Dose may vary depending on indication, age, renal function, hepatic function, and concomitant medications.
This monograph should be used in conjunction with the package insert, BNF for Children, and Summary of Product Characteristics. For further advice contact your clinical pharmacist or pharmacy department.