

Labetalol

FORM Ampoule containing 100mg in 20ml

INDICATION Hypertension

DOSE RANGE

AGE	DOSE	FREQUENCY	ROUTE
Birth – 1 month	500 microgram/kg/hr up to a maximum of 4mg/kg/hr	Continuous infusion	IV
1 – 6 months	500 microgram/kg/hr -3 mg/kg/hr	Continuous infusion	IV

PRESCRIPTION OF CONTINUOUS INFUSION

50mg/kg of labetalol in 50ml of infusion fluid

This gives:-

- 500 micrograms/kg/hr at 0.5ml/hr
- 1mg/kg/hr at 1ml/hr

RECONSTITUTION

Seek advice for prescription in babies greater than 5kg
Already in solution

DILUTION

10 x wt (kg) is the number of ml of labetalol 100mg/20ml to be diluted up to 50ml total with infusion fluid (equivalent to 50mg/kg in 50ml)

METHOD OF ADMINISTRATION

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

Seek advice for administration guidance in babies greater than 5kg

COMPATIBILITY

Solution compatibility	Sodium Chloride and Glucose infusion, Glucose 5%, Sodium Chloride 0.9%
Solution incompatibility	Sodium bicarbonate 4.2%, furosemide
IV Line compatibility	Dobutamine, dopamine, insulin, linezolid, midazolam, morphine, noradrenaline, Rocuronium, sodium nitroprusside
IV Line incompatibility	Heparin, sodium bicarbonate

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)

FURTHER INFORMATION

PH 3.5 – 4.2

LICENSED STATUS Off label use in children and neonates

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.