

Naloxone IntraVenous

FORM Ampoule containing 400 micrograms/ml injection

INDICATION

1. Overdose with opioids
2. Reversal of respiratory and CNS depression in neonate following maternal opioid use during labour

1 Overdose with opioids

AGE	DOSE	FREQUENCY	ROUTE
Birth to 6 months	10microgram/kg: if no response, give subsequent dose of 100micrograms/kg (then review diagnosis); further doses may be required if respiratory function deteriorates	As required	IV

2 Reversal of respiratory and CNS depression in neonate following maternal opioid use during labour

AGE	DOSE	FREQUENCY	ROUTE
Birth to 6 months	10microgram/kg, repeated every 2-3minutes if required	As required	IV

In neonates with respiratory depression by maternal opioids, it is generally preferred to give an IM injection – see Naloxone IM monograph

RECONSTITUTION

Already in solution

DILUTION

Take 0.5ml of the 400microgram/ml Naloxone Injection.
Dilute with 0.9% Sodium Chloride injection to a total of 10ml

This gives a 20 microgram/ml solution.

Dosage guide for diluted solution

- 20 microgram in 1ml
- 10 microgram in 0.5ml
- The starting dose of 10 microgram/kg is 0.5 ml/kg of above solution

METHOD OF

ADMINISTRATION

IV injection

COMPATIBILITY

Solution compatibility	Glucose 5%, sodium chloride 0.9%
Solution incompatibility	Alkaline solutions or preparations containing bisulfate, or long chain or high molecular weight anions or any solution with an alkaline pH
IV Line compatibility	Adrenaline, amikacin, dobutamine, dopamine, esmolol, fluconazole, gentamicin, insulin, labetalol, metronidazole, midazolam, morphine, noradrenaline, ranitidine, sodium nitroprusside, vancomycin
IV Line incompatibility	Meropenem

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

CAUTIONS, CONTRA-INDICATIONS AND SIDE EFFECTS

West of Scotland NEONATAL PARENTERAL Drug Monographs

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

SPECIAL MONITORING REQUIREMENTS

FURTHER INFORMATION Naloxone given Intravenously should produce an effect within 2-3 minutes and should last 3-4 hours.
Naloxone given Intramuscularly should produce an effect within 3-4 minutes and should last 18 hours.

Caution – the half life of a narcotic drug may be longer than that of naloxone.

PH pH ranges from 3 to 6.5 for all preparations

LICENSED STATUS Licensed

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.