

# NEONATAL West of Scotland Drug Monographs

## Parenteral Routes

Neonatal

### Ketamine

**FORM** Vials containing 200mg in 20mls

**Vial containing 50mg in 1ml – to be used if 200mg/20ml concentration is unavailable due to shortage** (requires dilution – see below)

**INDICATION** Anaesthesia during intubation of neonates with hypoplastic left heart syndrome / unstable circulation NB: Consultant initiation only.

#### DOSE RANGE

AGE	DOSE	FREQUENCY	ROUTE
Neonate	2mg/kg	Produces 5 – 10 mins of anaesthesia	IV over 60 seconds

**RECONSTITUTION** Already in Solution

**DILUTION** **Check concentration available and follow directions below**

For **200mg/20ml** strength – Dilution not required

**For 50mg/ml – further dilution is required;**

Dilute to 10mg/ml with sodium chloride 0.9% as below

Ketamine 50mg/ml	1ml
Sodium Chloride 0.9%	Up to 5ml total

Gives a 10mg in 1ml solution. Use required volume

**METHOD OF ADMINISTRATION** Administer the 10mg/ml solution by intravenous injection over 60 seconds

#### COMPATIBILITY

<b>Solution compatibility</b>	Sodium chloride 0.9%, Glucose 5%
<b>Solution incompatibility</b>	No information
<b>IV Line compatibility</b>	Clonidine, Dexamethasone, Fentanyl, Morphine
<b>IV Line incompatibility</b>	Barbiturates, Diazepam

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

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**FURTHER INFORMATION** Monitor blood pressure, heart rate, respiratory rate

**Use with caution in patients with the following;** hepatic impairment, hypertension, elevated CSF pressure, raised ICP, raised IOP, intracranial mass lesions/head injury/hydrocephalus

**STORAGE** Controlled Drug

**PH** 3.5 – 5.5

**LICENSED STATUS** Licensed

**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 terms of reference document prepared by the West of Scotland Pharmacist Network. Information is correct at the time of publication and as per local practice agreement.  
For further advice please contact your clinical pharmacist or pharmacy department

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