

SILDENAFIL

Brand Name: Revatio®

Manufacturer: Pfizer

Form: 10mg sildenafil in 12.5ml (0.8 mg/ml solution for injection)

Indication: Pulmonary Hypertension in patients who are not responding to iNO or cannot be weaned from iNO or ECMO and who are unable to tolerate enteral drug administration.

Dose Range: **NB. CONSULTANT INITIATION ONLY FOLLOWING ECG ASSESSMENT**

DOSE	FREQUENCY	ROUTE
25 - 75micrograms/kg/hr See below for details	Continuous Infusion	IV

- Starting dose of 25micrograms/kg/hr followed by increments of 25mcg/kg/hr every 12 – 24hours as tolerated.
- Caution in pre-existing hypotension.

- NB To avoid flow rates that are too low, babies weighing less than 3kg will require a slightly higher starting dose as follows:

2.5- 3kgkg baby: start 30micrograms/kg/hour = 0.04ml/kg/hr
2kg – 2.49kg baby: start 40micrograms/kg/hour = 0.05ml/kg/hr

Prescription: ****SPECIAL CARE with PRESCRIBING**.**
Flow rates are expressed as ml/kg/hour NOT ml/hr

20mg sildenafil in 25ml

This gives; -
25micrograms/kg/hr at 0.03ml/KG/hour
50micrograms/kg/hr at 0.06ml/KG/hour
75micrograms/kg/hr at 0.09ml/KG/hour

Reconstitution: Already in solution

Dilution: Not required, use neat solution

Method of Continuous IV infusion of neat product

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.

West of Scotland NEONATAL Parenteral Drug Monographs

Administration: NB. Rates are given in ml/**KG**/hr and NOT ml/hr

0.03ml/**KG**/hr = 25micrograms/**KG**/hr

0.06ml/**KG**/hr = 50micrograms/**KG**/hr

0.09ml/**KG**/hr = 75micrograms/kg/hr

Compatibility:

Solution compatibility	Glucose 5%, Sodium chloride 0.9%, Sodium chloride 0.45%
Solution incompatibility	Must not be mixed with other medicinal products or intravenous diluents except those mentioned above.
Additive compatibility	
Additive incompatibility	

**Special Monitoring
Requirements:**

Further Information:

- Contraindicated in severe hepatic impairment
- Contraindicated in severe hypotension
- Adverse effects include hypotension, oedema, nausea & vomiting.

**Cautions,
Contra-Indications and
Side Effects:** See Summary of Product Characteristics and most recent edition of BNF for
Children (see links below)

pH of Original Product: No information from manufacturer

Sodium Content: No information from manufacturer

Licensed status: Unlicensed in children

Links and policies: **Links:**
BNF for Children: <http://bnfc.org/bnfc/>
Electronic Medicines Compendium: <http://www.medicines.org.uk/emc/>
Applicable unit policies:

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Prepared by:	Anisa Patel / Neil Patel	Checked by	WoS Neonatal Pharmacists
Date prepared	September 2022	Review Date	September 2024

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