

Glucagon

FORM Vial containing 1mg powder for reconstitution and supplied diluent

INDICATION Treatment of persistent hypoglycaemia.

- a) Hypoglycaemia associated with diabetes
- b) Endogenous hyperinsulinism

DOSE RANGE

a) Hypoglycaemia associated with diabetes

AGE	DOSE	FREQUENCY	ROUTE
< 1month	20micrograms/kg		IM, SC or IV
1 – 6months	500micrograms		IM, SC or IV

b) Endogenous hyperinsulinism

AGE	DOSE RANGE	FREQUENCY	ROUTE
< 1month	100 – 200micrograms/kg (to maximum of 1mg)	Once only	IM, IV
	5 - 20 micrograms/kg/hour (higher doses must be discussed with the endocrine consultant)	Continuous infusion	IV Infusion
1 – 6months	1mg	Once only	IM, IV
	2.5-10micrograms/kg/hour	Continuous infusion	IV Infusion

PRESCRIPTION OF CONTINUOUS INFUSION **1.25mg/kg in 50ml infusion fluid**
 This gives:-
 • 10 microgram/kg/hour at 0.4ml/hour

RECONSTITUTION Use diluent provided to give a concentration of 1mg in 1ml.

DILUTION **For continuous Infusion**

Using 1mg in 1ml injection
 1.25 x wt (kg) is the number of ml of 1mg in 1ml to be diluted up to 50ml total with infusion fluid (equivalent to **1.25mg/kg in 50ml**)

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

DO NOT FILTER THE INFUSION

COMPATIBILITY

Solution compatibility	Glucose 5%, sodium chloride 0.9%
Solution incompatibility	Do not run with infusion fluids containing calcium ions (e.g. PN) as this causes precipitation of the glucagon
IV Line compatibility	No information
IV Line incompatibility	No information

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)

West of Scotland NEONATAL PARENTERAL Drug Monographs

FURTHER INFORMATION	Discard if particles or fibrils (viscous appearance) are present in reconstituted injection. Package states for IM or SC use, but product can be given by IV infusion
STORAGE	Store in fridge
PH	Approximately 2.8
LICENSED STATUS	Licensed for this indication (infusion unlicensed).
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.