

# NEONATAL West of Scotland Drug Monographs

## Parenteral Routes

Neonatal

### Furosemide in Albumin

**FORM** Ampoule containing 20mg in 2ml furosemide  
Bottles containing 20% albumin (20g/100ml)

**INDICATION** Second line treatment for oedema or oliguria

**DOSE RANGE**

**a) Furosemide**

AGE	DOSE	FREQUENCY	ROUTE
0 – 6 months	2 - 12mg/kg/day	Continuous	IV infusion

**b) 20% albumin**

AGE	DOSE	FREQUENCY	ROUTE
0 – 6 months	1 - 2g/kg/day (equal to 5-10 ml/kg/day)	Continuous	IV infusion

**PRESCRIPTION OF CONTINUOUS INFUSION**

**FUROSEMIDE**

- a. Select the desired dose of furosemide in mg/kg/day
- b. Multiply this dose by the patient's weight to give the total daily dose in mg (X) – ROUND TO NEAREST WHOLE NUMBER

**ALBUMIN**

- a. Select the desired dose of albumin in grams/kg/day
- b. Multiply the dose by the patient's weight to give the total daily dose in grams
- c. Multiply this figure by 5 to give the volume of albumin to be given over 24 hours (Y) – ROUND TO NEAREST WHOLE NUMBER
- d. Divide Y by 24 to give hourly rate (Z)
- e. NB rounding of numbers for the concentration may result in a slight difference in the rate displayed on the infusion pump when the dose of furosemide is programmed in, if so please amend the prescription to reflect this.

**PRESCRIPTION**

Drug: <b>FUROSEMIDE</b>		Concentration: <b>Xmg in Yml</b>	Diluent: <b>ALBUMIN 20%</b>
Time	Rate (ml/hr)	Dose	
<b>14:00</b>	<b>Z</b>	Desired dose <b>mg/kg/day Furosemide</b> Desired dose <b>g/kg/day Albumin</b>	

**RECONSTITUTION**

Already in solution

**DILUTION**

Using 10mg in 1ml Furosemide injection, draw up the required volume to give the prescribed total daily dose (X) and then dilute to the prescribed total daily volume of albumin 20% (Y)

**METHOD OF ADMINISTRATION**

Continuous infusion

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**COMPATIBILITY** Do not infuse with any other drugs or fluids

**SODIUM CONTENT** Albumin products contain sodium. Please contact pharmacy if the concentration for the product in use is required

**LICENSED STATUS** Unlicensed

**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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