

Furosemide

Indication	Oedema e.g. due to heart failure or earlier aggressive fluid resuscitation.
Dose	<p>Stat/Bolus Initially 20-40mg up to TDS. Doses over 80mg must be given by infusion.</p> <p>Continuous Infusion 0 - 20mg/hr titrated to urine output</p>
Preparation	<p>Stat/Bolus Doses < 80mg</p> <ol style="list-style-type: none"> 1. Draw up required dose into a syringe using a filter needle 2. For ease of administration, a dilution up to 20mL with sodium chloride 0.9% can be undertaken if required. <p>Slow infusion doses > 80mg Draw up the required dose into a syringe using a filter needle.</p> <p>Continuous Infusion Draw up the required amount of Furosemide into an appropriate sized syringe using a filter needle.</p>
Administration	<p>Given via a peripheral or central line</p> <p>Stat/Bolus Doses <80mg Given as a slow bolus</p> <p>Stat/Bolus Doses > 80mg & Continuous Infusion Given as slow infusion at a rate not exceeding 4mg/minute</p>
Shelf-life	Shelf life 24 hours at room temperature
Additional information	<p>If given too fast furosemide can cause nephrotoxicity and ototoxicity</p> <p>Electrolytes should be closely monitored as hypokalaemia and hyponatraemia can occur.</p> <p>Bolus doses may be diluted in 50ml sodium chloride 0.9% for ease of administration.</p>

Sample Label	DRUGS ADDED TO THIS INFUSION			
	PATIENT <i>A. Patient (A. Number)</i>			WARD <i>A Ward</i>
	DRUG <i>Furosemide (...ml Neat)</i>	AMOUNT <i>...mg 10mg/ml</i>	ADDED BY	CHECKED BY
	DATE ADDED TIME ADDED	EXP. DATE EXP. TIME		BATCH No.
	DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS			

Written by Matthew Elliott (Pharmacist, Critical Care) December 2015
Reviewed by Dominic Moore (Advanced Pharmacist, Specialist Medicine) December 2016
 Medical Division - 18/5/18

For review August 2018

References

BMA & Pharmaceutical Press. British National Formulary September 2014.
<https://www.medicinescomplete.com/mc/bnf/current/index.htm> Accessed September 2014.
 Summary of Product Characteristics. <http://www.emc.medicines.org.uk>. Accessed Sept. 2014
 Trissel, L.A. Handbook on Injectable Medicines 17th Edition.
<https://www.medicinescomplete.com/mc/hid/current/index.htm> Accessed September 2014.
 Brayfield A (ed), Martindale: The Complete Drug Reference. [online] London: Pharmaceutical Press
 <<http://www.medicinescomplete.com/>> (accessed September 2014).
 UKCPA. Minimum Infusion Volumes for Fluid Restricted Critically Ill Patients. 4th Edition (December 2012).