

Magnesium Sulphate

Magnesium sulphate dosir	ng may be wei	ght based; ensure	accuracy of doc	umented weight	before administr	ation
CAUTION: High Administration Risk Rating						
Form	1g (4mmol) per 2mL ampoule (50% w/v) equivalent to 2mmol Magnesium per 1mL					
Reconstitution	Already in solution MUST be further diluted before administration.					
Compatibility & Stability	Sodium Chloride 0.9% Glucose 5%					
Administration	IV Injection 1-2g (4-8mmol) diluted to 10mL. Dose typically given over 10 -15 minutes, rate not exceeding 0.6mmol/min. IV Infusion — preferred method Max concentration 100mg/mL = 0.4mmol/mL=10% Infuse via a volumetric infusion device at a rate appropriate to the indication (usually 4–8 mmol/hour). Use lowest possible rate to avoid ADRs Dose Volume 1-2g (4-8mmol) 2-4mL 50mL 1-2 hours 2-4g (8-16mmol) 4-8mL 100mL 4-12 hours 4-8g (16-32mmol) 8-16mL 250mL 12-24 hours					
Monitoring Extravasation	 Monitor BP, respiratory rate and urinary output. Use lowest possible rate to avoid bradycardia, flushing and hypotension. Rapid infusion may precipitate hypotension. Monitor for signs of overdose- loss of patellar reflexes, weakness, nausea, sensation of warmth, flushing, drowsiness, double vision, and slurred speech. Extravasation is likely to cause tissue damage due to high osmolarity. 					
Additional	Example and to make the control of t					
Information	 For obstetric patients refer to CUMH guidelines or the Pharmacy Department Up to 40g given over a period of 5 days may be necessary, however this is difficult to quantify as up to 50% of an IV dose is excreted in the urine. 1 mmol = 2 mEq = 24 mg of elemental magnesium = 240 mg magnesium sulphate 					

Information provided relates to Magnesium Sulphate manufactured by Aurum Pharmaceuticals and Ethypharm.