

Magnesium Sulphate

Form:	1g per 2ml ampoule (50% w/v) equivalent to 2mmol Magnesium per 1ml										
Reconstitution:	Already in solution Further dilute before administration.										
Administration Method:	<p><u>IV Injection</u> Dilute each 1ml of magnesium sulphate 50% with 1.5ml of compatible fluid. This gives a 200mg/ml solution. Administer at a maximum rate of 150mg/minute (0.75ml/minute of 200mg/ml solution).</p> <p><u>IV infusion – preferred method</u> Add required dose of Magnesium Sulphate to appropriate volume of compatible infusion fluid.</p> <table border="1" style="width: 100%;"> <thead> <tr> <th>Doses up to</th> <th>Dilute in at least</th> </tr> </thead> <tbody> <tr> <td>8mmol (2g)</td> <td>50ml</td> </tr> <tr> <td>9-16mmol (>2g, <4g)</td> <td>100ml</td> </tr> <tr> <td>17-40mmol (>4g, <10g)</td> <td>250ml</td> </tr> <tr> <td>Over 40mmol (>10g)</td> <td>500ml</td> </tr> </tbody> </table> <p>Maximum concentration of 200mg/ml. Administer at a maximum rate of 150mg/minute.</p> <p>The rate of administration should NOT exceed 36mmol magnesium per hour (9g/hour magnesium sulphate).</p>	Doses up to	Dilute in at least	8mmol (2g)	50ml	9-16mmol (>2g, <4g)	100ml	17-40mmol (>4g, <10g)	250ml	Over 40mmol (>10g)	500ml
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Extravasation	Extravasation is likely to cause tissue damage due to high osmolality.										
Compatibility & Stability:	Sodium Chloride 0.9% Glucose 5%										
Special Notes:	<div style="border: 1px solid blue; padding: 5px; text-align: center; color: blue; font-weight: bold;"> For obstetric patients refer to CUMH guidelines or the Pharmacy Department </div> <ul style="list-style-type: none"> Monitor BP, respiratory rate and urinary output. Monitor for signs of overdose – loss of patellar reflexes, weakness, nausea. Rapid IV infusion may precipitate hypotension. 										

Information provided relates to Magnesium Sulphate manufactured by Aurum Pharmaceuticals.

This information has been summarised to act as a guide for those administering IV medication. The monograph should be used in conjunction with the drug data sheet and BNF for information on dose, adverse effects, cautions and contra-indications. Further information is available from Pharmacy on 22146 or 22542