

Lidocaine

Potential SALAD Check strength . Also available as Lidocaine 1%																																					
CAUTION: High Administration Risk Rating																																					
Form	Lidocaine 2% (100mg per 5 mL) ampoules																																				
Reconstitution	Already in solution																																				
Compatibility & Stability	Glucose 5% Sodium Chloride 0.9%																																				
Administration	<p><u>IV Injection</u> Give 50 - 100mg over 2 minutes and flush immediately with 20mL sodium chloride 0.9%.</p> <p><u>IV Infusion</u> Infusions of 2mg/mL generally used, but up to 8mg/mL if fluid restricted. Preferably administer via a central venous access device to avoid potential venous irritation. If given peripherally, choose a large vein and monitor the injection site closely.</p> <ul style="list-style-type: none"> For 2mg/mL solution (1g in 500mL) <table border="1" style="margin-left: 20px;"> <tr> <td colspan="2" style="background-color: #ffffcc;">Add 50mL of 2% Lidocaine to 450mL of compatible infusion fluid to give 500mL of a solution containing 2mg/mL Lidocaine.</td> </tr> <tr> <th style="background-color: #e6f2ff;">Dose mg/min</th> <th style="background-color: #e6f2ff;">Rate mL/hour</th> </tr> <tr><td style="text-align: center;">1</td><td style="text-align: center;">30</td></tr> <tr><td style="text-align: center;">2</td><td style="text-align: center;">60</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: center;">90</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: center;">120</td></tr> </table> For 4mg/ml solution (2g in 500mL) <table border="1" style="margin-left: 20px;"> <tr> <td colspan="2" style="background-color: #ffffcc;">Add 100mL of 2% Lidocaine to 400mL of compatible infusion fluid to give 500mL of a solution containing 4mg/mL Lidocaine.</td> </tr> <tr> <th style="background-color: #e6f2ff;">Dose mg/min</th> <th style="background-color: #e6f2ff;">Rate mL/hour</th> </tr> <tr><td style="text-align: center;">1</td><td style="text-align: center;">15</td></tr> <tr><td style="text-align: center;">2</td><td style="text-align: center;">30</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: center;">45</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: center;">60</td></tr> </table> For 8mg/ml solution (400mg in 50mL) <table border="1" style="margin-left: 20px;"> <tr> <td colspan="2" style="background-color: #ffffcc;">Add 20mL of 2% Lidocaine to 30mL of compatible infusion fluid to give 50mL of a solution containing 8mg/mL Lidocaine. This may be used with a syringe pump in fluid restricted patients.</td> </tr> <tr> <th style="background-color: #e6f2ff;">Dose mg/min</th> <th style="background-color: #e6f2ff;">Rate mL/hour</th> </tr> <tr><td style="text-align: center;">1</td><td style="text-align: center;">7.5</td></tr> <tr><td style="text-align: center;">2</td><td style="text-align: center;">15</td></tr> <tr><td style="text-align: center;">3</td><td style="text-align: center;">22.5</td></tr> <tr><td style="text-align: center;">4</td><td style="text-align: center;">30</td></tr> </table> 	Add 50mL of 2% Lidocaine to 450mL of compatible infusion fluid to give 500mL of a solution containing 2mg/mL Lidocaine.		Dose mg/min	Rate mL/hour	1	30	2	60	3	90	4	120	Add 100mL of 2% Lidocaine to 400mL of compatible infusion fluid to give 500mL of a solution containing 4mg/mL Lidocaine.		Dose mg/min	Rate mL/hour	1	15	2	30	3	45	4	60	Add 20mL of 2% Lidocaine to 30mL of compatible infusion fluid to give 50mL of a solution containing 8mg/mL Lidocaine. This may be used with a syringe pump in fluid restricted patients.		Dose mg/min	Rate mL/hour	1	7.5	2	15	3	22.5	4	30
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Monitoring	ECG monitoring is required.																																				
Extravasation	Extravasation is likely to cause tissue damage due to acidic pH (<5).																																				
Additional Information	Lidocaine products containing adrenaline or preservatives must not be given by IV injection.																																				

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 22142 or 22546.