

## Dobutamine

Dobutamine dosing is weight based; ensure accuracy of documented weight before administration

### CAUTION: High Administration Risk Rating

<b>Form</b>	250mg/20ml Dobutamine
<b>Dose</b>	Dobutamine is usually prescribed as a "mcg/kg/minute" dose. The usual range is 0- 20 mcg/kg/minute, although this can vary between patients. The usual maximum rate is 40mcg/kg/min.
<b>Reconstitution</b>	Already in solution. Further dilution is required before administration.
<b>Compatibility &amp; Stability</b>	Glucose 5% Sodium chloride 0.9% Diluted solutions are stable for 24 hours
<b>Administration</b>	<p><b>IV infusion only</b></p> <p>The patient's weight is used in calculating the amount of drug to be added to the infusion solution.</p> <p>The formula used is:  <b>Patient's Weight(kg) multiplied by 3 =</b> Amount of Dobutamine (mg) to be added to Glucose 5% to make up to 50mL.</p> <p><b>E.g.</b> Weight of patient = 70kg                      Using the above formula; 70 x 3 = 210mg                      Take 210mg Dobutamine (16.8mL) and add it to 33.2mL Glucose 5%.                      This gives a final volume of 50mL, containing 210mg Dobutamine with a concentration of 4.2mg/mL (4200mcg/mL).</p> <p>An infusion rate of 1mL/hr = 4200mcg/hr = 70mcg/min = 1mcg/kg/min</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p><b>1mL/hr = 1mcg/kg/min</b>  <b>2mL/hr = 2mcg/kg/min</b>  <b>3mL/hr = 3mcg/kg/min</b></p> </div>
<b>Monitoring</b>	<ul style="list-style-type: none"> <li>• Continuous ECG and arterial line monitoring is strongly recommended</li> <li>• Monitor heart rate and rhythm, blood glucose, urine output, serum potassium and infusion rate</li> </ul>
<b>Extravasation</b>	<ul style="list-style-type: none"> <li>• Extravasation may cause tissue damage. Infuse through a central venous catheter or a large vein, using a syringe driver to control the rate of infusion.</li> </ul>
<b>Additional Information</b>	<ul style="list-style-type: none"> <li>• Solution may turn pink due to oxidation of the drug. There is no significant loss of potency during recommended storage and administration periods.</li> </ul>

### Information relates to Dobutamine manufactured by Mercury

*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.*