

Dobutamine

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

CAUTION: High Administration Risk Rating

Form	250mg/20ml Dobutamine
Dose	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.
Reconstitution	Already in solution. Further dilution is required before administration.
Compatibility & Stability	Glucose 5% Sodium chloride 0.9% Diluted solutions are stable for 24 hours
Administration	<p>IV infusion only</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: Patient's Weight(kg) multiplied by 3 = Amount of Dobutamine (mg) to be added to Glucose 5% to make up to 50mL.</p> <p>E.g. 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>1mL/hr = 1mcg/kg/min 2mL/hr = 2mcg/kg/min 3mL/hr = 3mcg/kg/min</p> </div>
Monitoring	<ul style="list-style-type: none"> • Continuous ECG and arterial line monitoring is strongly recommended • Monitor heart rate and rhythm, blood glucose, urine output, serum potassium and infusion rate
Extravasation	<ul style="list-style-type: none"> • 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.
Additional Information	<ul style="list-style-type: none"> • Solution may turn pink due to oxidation of the drug. There is no significant loss of potency during recommended storage and administration periods.

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.