

Glyceryl Trinitrate

Form	10mg/10ml ampoule (Nitrocine®) 50mg/10ml ampoule (Glyceryl Trinitrate - Hospira)																						
Reconstitution	Already in solution Glyceryl trinitrate 10mg in 10ml (Nitrocine®) can be administered without further dilution. Glyceryl trinitrate 50mg in 10 ml must be diluted further before administration.																						
Compatibility & Stability	Sodium Chloride 0.9% Glucose 5%																						
Administration Method	<p><u>Continuous IV infusion</u> To prepare a 1mg/ml solution: Use Nitrocine® 10mg/10ml neat. Dilute glyceryl trinitrate-Hospira 50mg/10ml by adding each 50mg/10ml ampoule to 40ml of compatible infusion fluid.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">DOSE (micrograms/min)</th> <th style="text-align: center;">RATE (ml/h)</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">5</td><td style="text-align: center;">0.3</td></tr> <tr><td style="text-align: center;">10</td><td style="text-align: center;">0.6</td></tr> <tr><td style="text-align: center;">20</td><td style="text-align: center;">1.2</td></tr> <tr><td style="text-align: center;">50</td><td style="text-align: center;">3</td></tr> <tr><td style="text-align: center;">75</td><td style="text-align: center;">4.5</td></tr> <tr><td style="text-align: center;">100</td><td style="text-align: center;">6</td></tr> <tr><td style="text-align: center;">125</td><td style="text-align: center;">7.5</td></tr> <tr><td style="text-align: center;">150</td><td style="text-align: center;">9</td></tr> <tr><td style="text-align: center;">175</td><td style="text-align: center;">10.5</td></tr> <tr><td style="text-align: center;">200</td><td style="text-align: center;">12</td></tr> </tbody> </table> <p>Administer via a syringe driver using non-PVC giving set and syringe.</p>	DOSE (micrograms/min)	RATE (ml/h)	5	0.3	10	0.6	20	1.2	50	3	75	4.5	100	6	125	7.5	150	9	175	10.5	200	12
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Extravasation	Extravasation is likely to cause tissue damage due to low pH and presence of excipients propylene glycol and ethanol.																						
Notes	<ul style="list-style-type: none"> A non-PVC infusion container (Baxter Viaflo®, Braun Ecoflac®) and non-PVC infusion set should be used to prevent drug loss. The diluted solution should be used immediately. The solution should be clear and colourless to slightly yellow. Do not use if solution is discoloured. Oral nitrates should be withheld when administering IV. Monitor blood pressure and heart rate. Also consider pulmonary capillary wedge pressure, cardiac output. Glyceryl trinitrate is contraindicated with PDE5 inhibitors such as sildenafil, tadalafil and vardenafil. 																						

Information provided relates Glyceryl Trinitrate manufactured by Hospira and Merus Labs

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.

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