

## Glyceryl Trinitrate

| <b>Form</b>                          | 10mg/10mL ampoule (Nitrocine®)<br>50mg/10mL ampoule (Glyceryl Trinitrate - Hospira)  |  |                         |                                     |  |   |     |   |    |     |   |    |     |   |    |     |    |    |     |    |     |     |    |
|--------------------------------------|--|--|-------------------------|-------------------------------------|--|---|-----|---|----|-----|---|----|-----|---|----|-----|----|----|-----|----|-----|-----|----|
| <b>Reconstitution</b>                | Already in solution <ul style="list-style-type: none"> <li>Glyceryl trinitrate 10mg in 10mL (Nitrocine®) can be administered without further dilution.</li> <li>Glyceryl trinitrate 50mg in 10 mL <b>must be diluted further before administration.</b></li> </ul>   |  |                         |                                     |  |   |     |   |    |     |   |    |     |   |    |     |    |    |     |    |     |     |    |
| <b>Compatibility &amp; Stability</b> | Sodium chloride 0.9%<br>Glucose 5%<br><br><b>Incompatible with PVC</b><br>A non-PVC infusion container (Baxter Viaflo®, Braun Ecoflac®) and a non-PVC infusion set should be used.   |  |                         |                                     |  |   |     |   |    |     |   |    |     |   |    |     |    |    |     |    |     |     |    |
| <b>Administration</b>                | <p><b><u>Continuous IV infusion</u></b></p> <p>To prepare a <b>1mg/mL</b> solution:<br/>         Use Nitrocine® 10mg/10mL neat.<br/>         Dilute glyceryl trinitrate-Hospira 50mg/10mL by adding each 50mg/10mL ampoule to 40mL of compatible infusion fluid.</p> <p>To prepare a <b>100mcg/mL</b> solution:<br/>         Dilute Nitrocine® brand by adding 10mg/10mL ampoule to 90mL compatible fluid.<br/>         Dilute glyceryl trinitrate-Hospira 50mg/10mL by adding each 50mg/10mL ampoule to 490mL of compatible infusion fluid.<br/>         Administer via a syringe driver using <b>non-PVC</b> giving set and syringe.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="background-color: #e0f2f1;">Dose required (mcg/min)</th> <th style="background-color: #e0f2f1;">Syringe Conc 1mg/mL<br/>Rate (mL/hr)</th> <th style="background-color: #e0f2f1;">Syringe Conc 100mcg/mL<br/>Rate (mL/hr)</th> </tr> </thead> <tbody> <tr><td>5</td><td>0.3</td><td>3</td></tr> <tr><td>10</td><td>0.6</td><td>6</td></tr> <tr><td>15</td><td>0.9</td><td>9</td></tr> <tr><td>20</td><td>1.2</td><td>12</td></tr> <tr><td>50</td><td>3.0</td><td>30</td></tr> <tr><td>100</td><td>6.0</td><td>60</td></tr> </tbody> </table> <div style="background-color: #39546c; color: white; padding: 10px; border-radius: 10px; margin-top: 10px;"> <p>If an alternative dose is required please follow the formula below:<br/>           Conc <b>1mg/mL</b>: Dose (mcg/min) x 0.06 = mL/hr<br/>                             e.g. 12mcg/min x 0.06 = 0.72mL/hr<br/>           Conc <b>100mcg/mL</b>: Dose (mcg/min) x 0.6 = mL/hr<br/>                             e.g. 12mcg/min x 0.6 = 7.2mL/hr</p> </div> |  | Dose required (mcg/min) | Syringe Conc 1mg/mL<br>Rate (mL/hr) | Syringe Conc 100mcg/mL<br>Rate (mL/hr) | 5 | 0.3 | 3 | 10 | 0.6 | 6 | 15 | 0.9 | 9 | 20 | 1.2 | 12 | 50 | 3.0 | 30 | 100 | 6.0 | 60 |
| Dose required (mcg/min)              | Syringe Conc 1mg/mL<br>Rate (mL/hr)  | Syringe Conc 100mcg/mL<br>Rate (mL/hr) |                         |                                     |  |   |     |   |    |     |   |    |     |   |    |     |    |    |     |    |     |     |    |
| 5                                    | 0.3  | 3                                      |                         |                                     |  |   |     |   |    |     |   |    |     |   |    |     |    |    |     |    |     |     |    |
| 10                                   | 0.6  | 6                                      |                         |                                     |  |   |     |   |    |     |   |    |     |   |    |     |    |    |     |    |     |     |    |
| 15                                   | 0.9  | 9                                      |                         |                                     |  |   |     |   |    |     |   |    |     |   |    |     |    |    |     |    |     |     |    |
| 20                                   | 1.2  | 12                                     |                         |                                     |  |   |     |   |    |     |   |    |     |   |    |     |    |    |     |    |     |     |    |
| 50                                   | 3.0  | 30                                     |                         |                                     |  |   |     |   |    |     |   |    |     |   |    |     |    |    |     |    |     |     |    |
| 100                                  | 6.0  | 60                                     |                         |                                     |  |   |     |   |    |     |   |    |     |   |    |     |    |    |     |    |     |     |    |
| <b>Monitoring</b>                    | <ul style="list-style-type: none"> <li>Monitor Heart rate and BP during administration</li> </ul>  |  |                         |                                     |  |   |     |   |    |     |   |    |     |   |    |     |    |    |     |    |     |     |    |

*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*

|                               |   |
|-------------------------------|---|
| <b>Extravasation</b>          | <ul style="list-style-type: none"><li>• Extravasation is likely to cause tissue damage due to low pH and presence of excipients propylene glycol and ethanol.</li></ul> |
| <b>Additional Information</b> | <ul style="list-style-type: none"><li>• Do not use if solution is discoloured.</li><li>• Oral nitrates should be withheld when administering IV nitrates</li></ul>      |

**Information provided relates to Glyceryl Trinitrate manufactured by Hospira, Nitrocline® manufactured by Merus Labs Luxco**