

## GLYCERYL TRINITRATE

- Form:** 50mg per 10ml ampoule (Glyceryl Trinitrate - Hospira)  
10mg per 10ml ampoule (Nitrocine™)
- Reconstitution:** Already in solution
- Administration:** Continuous IV infusion
- Method:** The Hospira brand must be diluted prior to use with compatible fluid to give a usual concentration of either:  
**1mg/ml** i.e. one 50mg ampoule diluted to 50ml or  
**100mcg/ml** i.e. one 50mg ampoule diluted to 500ml.
- The Nitrocine™ brand can be used neat (1mg/ml), or diluted with compatible fluid to a concentration of 100mcg/ml (i.e. one 10mg ampoule diluted to 100ml).
- Compatibility & Stability:** Sodium chloride 0.9%  
Glucose 5%
- Special Notes:**
1. Glyceryl trinitrate should be administered via a syringe driver using a **non-PVC giving set and syringe**
  2. Do not use if solution is discoloured.
  3. Monitor Heart rate and BP during administration
  4. Oral nitrates should be withheld when administering IV nitrates

**Pump rate (ml/hr):**

Dose required (mcg/min)	Syringe Conc 1mg/ml Rate (ml/hr)	Syringe Conc 100mcg/ml 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

## **GLYCERYL TRINITRATE (Continued)**

If an alternative dose is required please follow the formula below:

Conc **1mg/ml**:      Dose (mcg/min) x 0.06 = ml/hr  
e.g.    12mcg/min x 0.06 = 0.72ml/hr

Conc **100mcg/ml**:    Dose (mcg/min) x 0.6 = ml/hr  
e.g.    12mcg/min x 0.6 = 7.2ml/hr