# Milrinone

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

**CAUTION:** High Administration Risk Rating

**Form**

10 mg milrinone per 10 mL vial (1mg/mL)

**Dose**

***Loading dose***:
Recommended Loading Dose: 50 microgram/kg over 10minutes by slow intravenous injection, either undiluted or diluted.

***Maintenance infusion***:
Recommended Maintenance Dose: 0.375-0.75microgram/kg/min
Maximum total daily dose:1.13mg/kg/day.
See table below

**Reconstitution**

Already in solution

**Compatibility & Stability**

Sodium Chloride 0.9%
Glucose 5%
For single use, discard any unused solution.

**Administration**

**IV Injection (Loading dose)**
Loading dose of 50mcg/kg given over 10 minutes.
Usually followed by infusion. Dilute to 10mL with compatible fluid and give by slow injection over 10 minutes.

**IV Infusion (Maintenance Dose)**
Dilute milrinone 10mg (10mL) in 40ml of compatible fluid to give a final concentration of 0.2mg/ml (200mcg/mL), administer using a syringe pump.

| **Dose (mcg/kg/min)** | **Patient's weight ( kg)** | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **50** | **60** | **70** | **80** | **90** | **100** | **110** | **120** |
| | **Infusion rate in mL/hr** | | | | | | | |
| **0.375** | 5.6 | 6.8 | 7.9 | 9.0 | 10.1 | 11.3 | 12.4 | 13.5 |
| **0.400** | 6.0 | 7.2 | 8.4 | 9.6 | 10.8 | 12.0 | 13.2 | 14.4 |
| **0.500** | 7.5 | 9.0 | 10.5 | 12.0 | 13.5 | 15.0 | 16.5 | 18.0 |
| **0.600** | 9.0 | 10.8 | 12.6 | 14.4 | 16.2 | 18.0 | 19.8 | 21.6 |
| **0.700** | 10.5 | 12.6 | 14.7 | 16.8 | 18.9 | 21.0 | 23.1 | 25.2 |
| **0.750** | 11.3 | 13.5 | 15.8 | 18.0 | 20.3 | 22.5 | 24.8 | 27.0 |

**Monitoring**

- Monitor BP, ECG, heart rate.

**Extravasation**

- Extravasation is likely to cause tissue damage as the pH is less than 5. If a central venous access device is unavailable, administer via a large peripheral vein monitoring insertion site closely. Re-site cannula at first signs of inflammation.

**Information relates to Milrinone manufactured by Wockhardt**

*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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