

### morphine INTRAVENOUS INFUSION DOSAGE CHART

morphine **infusion rates in mL/hour** for three solution concentrations.

| DOSAGE<br>(mg/hour) | morphine CONCENTRATION (mg/mL) |      |    |
|---------------------|--------------------------------|------|----|
|                     | 1                              | 10   | 50 |
| 0.5                 |                                |      |    |
| 1                   |                                |      |    |
| 2                   |                                |      |    |
| 3                   |                                |      |    |
| 4                   |                                |      |    |
| 5                   | 5                              |      |    |
| 6                   | 6                              |      |    |
| 7                   | 7                              |      |    |
| 8                   | 8                              |      |    |
| 9                   | 9                              |      |    |
| 10                  | 10                             |      |    |
| 12                  | 12                             |      |    |
| 15                  | 15                             |      |    |
| 20                  | 20                             |      |    |
| 25                  | 25                             |      |    |
| 30                  | 30                             |      |    |
| 40                  | 40                             |      |    |
| 50                  | 50                             | 5    |    |
| 60                  | 60                             | 6    |    |
| 75                  |                                | 7.5  |    |
| 100                 |                                | 10   |    |
| 125                 |                                | 12.5 |    |
| 150                 |                                | 15   |    |
| 175                 |                                | 17.5 |    |
| 200                 |                                | 20   |    |
| 250                 |                                | 25   | 5  |
| 300                 |                                | 30   | 6  |
| 350                 |                                | 35   | 7  |
| 400                 |                                | 40   | 8  |
| 500                 |                                | 50   | 10 |
| 750                 |                                | 75   | 15 |
| 1000                |                                |      | 20 |
| 1250                |                                |      | 25 |
| 1500                |                                |      | 30 |

**Dilution Instructions:**

1 mg/mL = 50 mg morphine in 50 mL  
 = 100 mg morphine in 100 mL  
 = 250 mg morphine in 250 mL

10 mg/mL = remove 10 mL from 50 mL bag,  
 then add 500 mg to bag  
 = remove 20 mL from 100 mL bag,  
 then add 1000 mg to bag

50 mg/mL = transfer 2500 mg or 5000 mg into  
 an empty sterile bag (obtain from  
 pharmacy)  
 [undiluted 50 mg/mL injectable]