**Adrenaline (epinephrine)**

### Available dosage form in hospital

Each ampoule of 1 ml contains 1.8 mg epinephrine bitartrate equivalent to 1 mg epinephrine.

### Usual Diluents

NS, D5W

### Standard Dilutions

<table>
<thead>
<tr>
<th>Amount of drug</th>
<th>Infusion volume</th>
<th>Infusion rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 5 mg</td>
<td>250 ml</td>
<td>Titrate</td>
</tr>
</tbody>
</table>

- Dilute 1 mg in 250 mL of D5W or NS (4 mcg/mL); administer at an initial rate of 1 mcg/minute and increase to desired effects; at 20 mcg/minute pure alpha effects occur. Or 4 mg in 250 mL (concentration: 16 mcg/mL) of D5W or NS.

For pediatrics:

- Usual Infusion Concentrations: Pediatric I.V. infusion: 16 mcg/mL, 32 mcg/mL, or 64 mcg/mL.

*Central line required for administration only; intravenous infusions require an infusion pump.*

*Epinephrine can be administered SubQ, I.M., I.V., or intracardiac injection*

*I.M. administration into the buttocks should be avoided*

### Stability / Miscellaneous

- Epinephrine is sensitive to light and air; protection from light is recommended.
- Oxidation turns drug pink, then a brown color; solutions should not be used if they are discolored or contain a precipitate.
- Stability of injection of parenteral admixture at room temperature (25°C) or refrigeration (4°C): 24 hours.
- Standard diluent: 1 mg/250 mL NS.