

Epinephrine

<u>Generic Name:</u>	<u>Brand Name:</u>	<u>Drug Class:</u>
Epinephrine	Adrenalin, Micronefrin	Catecholamine
<u>Mechanism of Action:</u>	<u>Time to Onset:</u>	<u>Duration of Effects:</u>
$\alpha_{1,2}$ and $\beta_{1,2}$ agonist	• IV/IO: Immediate • IM: 3-5 minutes	Varies
<u>Indications:</u>	<u>Contraindications:</u>	<u>Possible Side Effects:</u>
• Anaphylaxis • Cardiac Arrest • Epiglottitis/croup • Hypotension • Bradycardia	Use caution in: • Hypertension • Tachycardia • Geriatrics • Hyperthyroidism • Diabetes mellitus	• Hypertension • Tachycardia • Arrhythmias • Tremors • Dizziness • Headache
<u>Administration Route:</u>	<u>Adult dose:</u>	<u>Pediatric dose:</u>
• IV • IO • IM • Nebulizer	Anaphylaxis • (1:1) IM: 0.3 mg every 5 minutes up to 3 doses. • If unsuccessful: (1:100) IV: 0.1-1 mcg/kg/min Bradycardia unresponsive to atropine and pacing • (1:100) IV: 2-10 mcg/min Cardiac Arrest • (1:10) IV: 1 mg every 3-5 minutes	Cardiac Arrest/ Bradycardia unresponsive to ventilation • (1:10) IV: 0.01 mg/kg every 3-5 minutes Stridor (1:1) Neb (all mixed with 2.5 mL of NS): • < 20 kg 0.25 mL • 20-40 kg: 0.5 mL • > 40 kg: 0.75 mL
Push dose • (1:100): 5-20 mcg every 3-5 minutes Post-ROSC Hypotension • (1:100) IV: 0.1-1 mcg/kg/min		