

EPINEPHRINE (1:10,000)

Indication:

- Cardiac Arrest
- Bradycardia
- Allergic Reaction/Anaphylaxis
- Respiratory Distress with presumed bronchospasm

Contraindications: None in the Emergency setting

Side effects:

- Palpitations
- Anxiety
- Tremulousness
- Headache
- Dizziness
- Nausea/Vomiting
- Increased myocardial oxygen demand

Class: Sympathetic Agonist, Sympathomimetic. Epinephrine is a naturally occurring catecholamine. It is a potent alpha- and beta-adrenergic stimulant with more profound beta effects.

Mechanism of Action: Epinephrine works directly on alpha- and beta-adrenergic receptors with effects of increased heart rate, cardiac contractile force, increased electrical activity in the myocardium, increased systemic vascular resistance, increased blood pressure, and increased automaticity. It also causes bronchodilation.

Concentration: 1.0 mg/10.0 ml

Dosage:

Adult:

- **Cardiac Arrest**
1.0 mg IV/IO
Administer every 4 minutes
Max of 4.0 mg total

Pediatric:

- **Cardiac Arrest**
0.01mg/kg IV/IO
Administer every 4 minutes
Max of 4.0 mg total

EPINEPHRINE (1:10,000) cont.

3KG	4KG	5KG	6KG	7KG	8KG	9KG	10KG	11KG	12KG
0.3ml	0.4ml	0.5ml	0.6ml	0.7ml	0.8ml	0.9ml	1.0ml	1.1ml	1.2ml

14KG	15KG	16KG	17KG	18KG	19KG	20KG	21KG	22KG	23KG
1.4ml	1.5ml	1.6ml	1.7ml	1.8ml	1.9ml	2.0ml	2.1ml	2.2ml	2.3ml

25KG	26KG	27KG	28KG	29KG	30KG	31KG	32KG	33KG	34KG
2.5ml	2.6ml	2.7ml	2.8ml	2.9ml	3.0ml	3.1ml	3.2ml	3.3ml	3.4ml

36KG
3.6ml