

EPINEPHRINE 1:10,000 (generic), ADRENALIN (brand)

ACTION: Stimulates both α - and β - adrenergic receptors; bronchodilator, cardiac stimulator, and peripheral vasoconstrictor

INDICATIONS:

1. Cardiac arrest rhythms: VF, pulseless VT, asystole, and pulseless electrical activity (PEA)
2. Severe anaphylaxis or asthma

CONTRAINDICATIONS:

1. None during cardiac arrest or profound anaphylaxis

PRECAUTIONS:

1. In severe anaphylaxis, may only be given IV/IO on standing order.
2. May precipitate with sodium bicarbonate if tubing is not flushed between drugs.

ADVERSE REACTIONS/SIDE EFFECTS:

1. Nervousness, restlessness, and tremors
2. Headache and HTN
3. Arrhythmias and angina
4. May induce or exacerbate ventricular ectopy, especially in patients receiving digitalis

ADMINISTRATION:

1. Adult cardiac arrest (V-fib, V-tach, asystole, PEA):
 - A. Administer 1 mg epinephrine 1:10,000 IV or IO push and circulate with CPR.
 - B. Follow drug administration with defibrillation if indicated.
 - C. May repeat 1.0 mg IV/IO every 3-5 minutes if rhythm has not converted.
2. Severe anaphylaxis in ALL ages:
 - A. If impending respiratory or cardiac arrest, administer 0.01 mg/kg (up to .5 mg) (5 cc) epinephrine 1:10,000 IV/IO.
3. Further orders and orders for severe asthma must come from Medical Control Physician.

PEDIATRIC CONSIDERATIONS:

1. In cardiac arrest: Refer to the weight based resuscitation tape and administer one dose of 0.01 mg/kg (0.1 ml of 1:10,000 solution) IV or IO push every 3-5 minutes.

SPECIAL NOTES:

1. For infusion (physician order only), use epinephrine 1:1000 concentration.