

## NORADRENALIN

**Class:** Alpha-/Beta- Agonist

**Indications:** Treatment of shock which persists after adequate fluid volume replacement; severe hypotension. **Note:** Recommended as the first-choice vasopressor for the treatment of sepsis and septic shock in adult patients

**Available dosage form in the hospital:** 2MG INJ, 4MG INJ, 8MG INJ, 4ML AMP

**Dosage:**

**Administration requires the use of an infusion pump.**

**Note:** Norepinephrine dosage is stated in terms of norepinephrine base.

**-Hypotension/shock:**

-Continuous I.V. infusion:

Initial: 8-12 mcg/minute; titrate to desired response. Usual maintenance range: 2-4 mcg/minute; dosage range varies greatly depending on clinical situation. If patient remains hypotensive despite large doses, evaluate for occult hypovolemia and provide fluid resuscitation as appropriate.

-*ACLS dosing range (weight-based dosing):* Post cardiac arrest care: Initial: 0.1-0.5 mcg/kg/minute (7-35 mcg/minute in a 70 kg patient); titrate to desired response

-*Sepsis and septic shock (weight-based dosing):* Range from clinical trials: 0.01-3 mcg/kg/minute (0.7-210 mcg/minute in a 70 kg patient) .

**Renal Impairment:**

No dosage adjustment provided in manufacturer's labeling.

**Hepatic Impairment:**

No dosage adjustment provided in manufacturer's labeling.

**Common side effect:** Cardiovascular: Arrhythmias, bradycardia, peripheral (digital) ischemia.

Central nervous system: Anxiety, headache (transient) . Local: Skin necrosis (with extravasation) .

Respiratory: Dyspnea, respiratory difficulty

**Pregnancy Risk Factor:** C