

# Norepinephrine

(Noradrenaline)

Vasoconstrictor sympathomimetic used to elevate blood pressure and to constrict peripheral vessels.

**Indication:** Use in septic shock to maintain blood pressure

**Presentation:** Norepinephrine 4mg in 4ml vial

**Preparation:**

**Administration via central line:** 4mg made up to 50ml with 5% Dextrose (Add 4mg norepinephrine to 46 ml of 5% dextrose)  
Concentration: 0.080 mg / ml = 80 micrograms / ml

**Peripheral iv administration:** 4mg made up to 250ml with 5% dextrose (Add 4mg norepinephrine to 246ml of 5% dextrose)  
Concentration: 0.016mg / ml = 16 micrograms / ml

CAUTION: Peripheral venous access should ideally be of size 20G or more; be sited proximal to the wrist in the arm; avoid sites of flexion in awake patients; avoid sites requiring more than one venepuncture; and there should be a return of blood following insertion and flush easily with 5-10mL of 0.9% sodium chloride.

**Infusion rate:** Commence at 0.05 micrograms / kg / min and titrate according to clinical response. Target MAP 65mmHg

Estimated weight	Starting dose 0.05micrograms / kg / min	Central infusion rate (4mg / 50ml)	Peripheral infusion rate (4mg / 250ml)
40kg	120 mcg / hour	1.5 mls / hour	7.5 mls / hour
50kg	150 mcg / hour	1.9 mls / hour	9.4 mls / hour
60kg	180 mcg / hour	2.2 mls / hour	11.2 mls / hour
70kg	210 mcg / hour	2.6 mls / hour	13.1 mls / hour
80 kg	240 mcg / hour	3 mls / hour	15 mls / hour
90 kg	270 mcg / hour	3.4 mls / hour	16.9 mls / hour
100kg	300 mcg / hour	3.7 mls / hour	18.8 mls / hour
110kg	330 mcg / hour	4.1 mls / hour	20.6 mls / hour