

Dosing & Preparation Guide for Medications used in Critical Care Setting	
Drug/ dosage form	Preparation & dosing guide
Adenosine 6 mg/ 2 ml vial	<b>Undiluted, rapid IV push</b> 1 <sup>st</sup> dose is 6 mg (2 ml/ 1 vial) for Peripheral line or 3 mg (1 ml) for central line. then 20 ml NS flush. IF no response in 1-2 min, give 2 <sup>nd</sup> dose of 12 mg (4ml/ 2 vials) then 20 ml NS flush. IF no response in 1-2 min, give 3 <sup>rd</sup> dose 12 mg (4ml/ 2 vials) then 20 ml NS flush.
Amiodarone 150mg/ 3ml ampule	LD 300 mg <b>IV push</b> , dilute (2 amp) to 20 ml D5W ( <i>Dose for Pulseless VF or VT/Cardiac arrest</i> ) LD 150 mg <b>over 10 min</b> , dilute (1 amp) to 10-20 ml D5W ( <i>Stable VT/AF or SVT</i> ) MD 200 mg (4 ml) in 100 ml D5W <b>Bag Conc.</b> 2 mg/ml, <b>infusion rate:</b> 1 mg/minute for 6 hours, then 0.5 mg/minute
Atropine 1 mg/ ml vial OR 0.1 mg/ml (10ml) syringes	<b>Dose:</b> 0.5-1 mg <b>IV push</b> Dilute 1 mg in 10 ml NS, Give q 3-5 min, Max 3 mg 0.1 mg/ml (1 mg in 10 ml) syringes (ready to administer)
Calcium Chloride 10% 1 gm/ 10 ml amp	<b>Dose: 0.5- 1 g rapid IV push</b> Dilute 1 amp (1 gm) to 20 ml NS
Calcium gluconate 10% 1 gm/10 ml amp	<b>Dose: 1.5- 3 g rapid IV push</b> Dilute 1 amp (1 g) to 20 ml NS
Dextrose 50% (25g/ 50 ml) vial	<b>Undiluted.</b> 25 g (1 vial)
Dopamine 200 mg/ 5 ml amp	Dilute 320 mg (8 ml) in 100 ml NS or D5W <b>Bag conc.</b> 3200 mcg/ ml, <b>infusion rate:</b> 0.5 - 20 mcg/kg/ min titrate to response
Etomidate 2 mg/ml (10 ml) amp	<b>IV push</b> <b>Dose:</b> 0.15-0.3 mg/kg
Epinephrine 1 mg/ 10 ml syringe 1 mg / ml amp	<b>LD, IV push.</b> 1 mg/10 ml syringe (ready to administer) 1 mg amp dilute to 10 ml NS <b>MD</b> dilute 4.8 mg (4.8 ml) to 100 ml NS or D5W <b>Bag conc.</b> 48 mcg/ ml, <b>infusion rate:</b> 1-40 max 160 mcg/min <b>OR</b> 0.01- max 2 mcg/kg/min titrate to response.

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Flumazenil 0.5 mg/ 5 ml amp	<b>Undiluted.</b> <b>Dose:</b> 1 <sup>st</sup> 0.2 mg (2 ml) over 15 sec, 2 <sup>nd</sup> 0.3 mg (3 ml) over 30 sec, 3 <sup>rd</sup> 0.5 mg (5 ml) over 30 sec. max 3 mg
Hydrocortisone (250 mg/ 2 ml)	<b>Dose:</b> 50-100 mg IV push
Insulin regular 100 unit/ ml (10 ml)	<b>Undiluted</b> 5-10 units (0.05-0.1 ml) IV push
Ketamine 50 mg/ml, 10 m vial	<b>Undiluted</b> 1-2 mg/kg IV over 30 to 60 seconds
Lidocaine 2% 100 mg/5 ml 20 mg/ml	LD <b>Undiluted</b> :1-1.5 mg/kg IV bolus over 2-3 minutes; may repeat doses of 0.5-0.75 mg/kg in 5-10 minutes up to a total max of 3 mg/kg. MD: <b>Dilute</b> 200 mg (10 ml) in 50 ml d5W <b>Bag conc.</b> 4 mg/ml, <b>infusion rate</b> 1-4 mg/min <b>OR</b> 20-50 mcg/kg/min
Magnesium sulfate 1 g/ 2 ml vial	<b>Must be diluted;</b> to 10 ml D5W. 1-2 g IV over 5-20 min
Naloxone 0.4 mg/ml	<b>Undiluted</b> <b>Dose:</b> 0.4-2 mg IV push, repeat q 2-3 min.
Norepinephrine 4 mg/4ml amp	<b>C:</b> dilute 4.8 mg (4.8 ml) in 100 ml NS or D5W; <b>Bag conc.</b> 48 mcg/ml, infusion rate 0.05-3.3 mcg/kg/min <b>P:</b> dilute 1.6 mg (1.6 ml) in 100 ml NS or D5W; <b>Bag conc.</b> 16 mcg/ml, infusion rate Max 25 mcg/min
Phenylephrine 1% 10 mg/ ml amp (1 ml)	Dilute 10 mg (1 ml) in 100 ml NS Or D5W; <b>Bag conc.</b> 100 mcg/ml. <b>IV bolus:</b> 100-200 mcg (1-2 ml from the prepared bag) <b>Infusion rate</b> 0.1 to 10 mcg/kg/minute, titrate to response
Propofol 1% (10 mg/ml)	<b>Undiluted; LD:</b> 50- 100 mg (5-10 ml) <b>OR 1.5-2 mg/kg</b> <b>Infusion with 2% Propofol:</b> 5 to 50 mcg/kg/minute titrate every 5 min to response
Rocuronium Bromide 50mg/5ml vial (10 mg/ml)	LD: <b>Undiluted; Dose:</b> 0.6-1.2 mg/kg IV push MD: prepared by pharmacy, infusion rate: 5 to 16 mcg/kg/minute; adjust at 15-minute intervals by ~1.5 to 3 mcg/kg/minute
Succinylcholine (50 mg/ml)	<b>Dose:</b> 0.3-1.1 mg/kg, IV push
Sodium bicarbonate, 50 ml	<b>Undiluted; Dose:</b> 1 mmol/kg

LD: loading dose, MD: maintenance dose