



## ADULT – Continuous Intravenous (IV) Infusions – Standard Preparation Instructions and Concentrations

Approved - AMGH Pharmacy and Therapeutics Committee – March 2021  
HPHA Pharmacy and Therapeutics Committee – March 2021

Medication	Preparation Instructions	Concentration
<b>amiodarone</b> 900 mg in 500 mL dextrose 5% (polyolefin-non PVC bag – i.e., Excel®)	Withdraw 18 mL of solution from a 500 mL dextrose 5% polyolefin-non PVC (Excel®) bag and discard. Add 900 mg (18 mL of 50 mg/mL) of amiodarone to the bag. Administer with an in-line 0.22 micron filter	1.8 mg/mL
<b>cisatracurium</b> 200 mg in 100 mL - No dilution (empty bag – i.e., Viaflex®)	Transfer 200 mg (100 mL of 2 mg/mL) of cisatracurium to an empty (Viaflex®) bag.	2 mg/mL
<b>diltiazem</b> 100 mg in 100 mL dextrose 5%	Withdraw 20 mL of solution from a dextrose 5% 100 mL bag and discard. Add 100 mg (20 mL of 5 mg/mL) of diltiazem to the bag.	1 mg/mL
<b>DOBUTamine</b> 500 mg in 250 mL dextrose 5%	Withdraw 40 mL of solution from a 250 mL bag of dextrose 5% and discard. Add 500 mg (40 mL of 12.5 mg/mL) of DOBUTamine to the bag	2000 mcg/mL
<b>DOPamine</b> 400 mg in 250 mL dextrose 5% (pre-mixed bag)	Remove pre-mixed bag from overwrap immediately prior to use. DOPamine 400 mg in 250 mL dextrose 5%	1600 mcg/mL
<b>EPINEPHrine</b> 4 mg in 250 mL sodium chloride or dextrose 5%	Withdraw 4 mL of solution from a 250 mL bag of sodium chloride 0.9 % or dextrose 5% and discard. Add 4 mg (4 mL of 1 mg/mL) of EPINEPHrine to the bag.	16 mcg/mL
<b>fentaNYL</b> 1000 mcg in 100 mL sodium chloride 0.9%	Withdraw 20 mL of solution from a 100 mL bag of sodium chloride 0.9% and discard. Add 1000 mcg (20 mL of 50 mcg/mL) of fentaNYL to the bag <b>OR</b> - Use pharmacy prepared premixed bag of 1000 mcg fentaNYL in 100 mL Sodium chloride 0.9% (note – not available at all sites)	10 mcg/mL
<b>furosemide</b> 100 mg in 100 mL sodium chloride 0.9%	Withdraw 10 mL of solution from a 100 mL bag of sodium chloride 0.9% and discard. Add 100 mg (10 mL of 10 mg/mL) of furosemide to the bag.	1 mg/mL
<b>glucagon</b> 10 mg in 100 mL dextrose 5%	Withdraw 10 mL of solution from a 100 mL bag of dextrose 5% and discard. Add 10 mg (10 mL of 1 mg/mL) of glucagon to the bag	0.1 mg/mL
<b>heparin</b> 25,000 units in 500 mL dextrose 5%	Remove premixed bag from overwrap immediately prior to use. heparin 25,000 units in 500 mL dextrose 5%. <b>OR</b> - Remove 2.5 mL of solution from a 500 mL bag of dextrose 5% and discard. Add 25,000 units (2.5 mL of 10 000 units/mL) of heparin to the bag.	50 units/ mL
<b>hydrALAZINE</b> 100 mg in 100 mL sodium chloride 0.9%	Withdraw 5 mL of solution from a 100 mL bag of sodium chloride 0.9% and discard. Add 100 mg (5 mL of 20 mg/mL) of hydrALAZINE to the bag.	1 mg/mL
<b>HYDROmorphone</b> 100 mg in 100 mL sodium chloride 0.9%	Withdraw 50 mL of solution from a 100 mL bag of sodium chloride 0.9% and discard. Add 100 mg (50 mL of 2 mg/mL) of HYDROmorphone to the bag. <b>OR</b> - Use pharmacy prepared premixed bag of 100 mg HYDROmorphone in 100 mL sodium chloride 0.9% (note - not available at all sites)	1 mg/mL
<b>insulin regular</b> 100 units in 100 mL sodium chloride 0.9%	Use only regular short acting insulin (HumuLIN R® or NovoLIN Toronto®) 100 units/mL. Withdraw 1 mL of solution from a 100 mL bag of sodium chloride 0.9% and discard. Add 100 units (1 mL of 100 units/mL) of insulin to the bag.	1 unit/mL
<b>isoproterenol</b> 1 mg in 50 mL dextrose 5%	Withdraw 5 mL of solution from a 50 mL bag of dextrose 5% and discard. Add 1 mg (5 mL of 0.2 mg/mL) of isoproterenol to the bag.	20 mcg/mL
<b>ketamine</b> 200 mg in 100 mL sodium chloride 0.9%	Withdraw 4 mL of solution from a 100 mL bag of sodium chloride 0.9% and discard. Add 200 mg (4mL of 50 mg/mL) ketamine to the bag.	2 mg/mL
<b>labetalol</b> 500 mg in 100 mL - No dilution (empty bag – i.e., Viaflex®)	Transfer 500 mg (100 mL of 5 mg/mL) of labetalol to an empty (Viaflex®) bag	5 mg/mL





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<b>lidocaine</b> 2000 mg in 500 mL dextrose 5% (pre-mixed bag)	Remove pre-mixed bag from overwrap immediately prior to use. lidocaine 2000 mg in 500 mL dextrose 5%.	4 mg/mL
<b>magnesium sulfate</b> 40 g in 1000 mL sodium chloride 0.9%	Withdraw 80 mL of solution from a 1000 mL bag of sodium chloride 0.9% and discard. Add 40 g (80 mL of 500 mg/mL) of magnesium sulfate to the bag. <b>OR</b> – Use pharmacy prepared premixed bag of 40 g magnesium sulfate in 1000 mL sodium chloride 0.9% (not –not available at all sites)	0.04 g/mL
<b>midazolam</b> 100 mg in 100 mL sodium chloride 0.9%	Withdraw 20 mL of solution from a 100 mL bag of sodium chloride 0.9% and discard. Add 100 mg (20 mL of 5 mg/mL) of midazolam to the bag <b>OR</b> - Use pharmacy prepared premixed bag of 100 mg midazolam in 100 mL sodium chloride 0.9% (note - not available at all sites)	1 mg/mL
<b>milrinone</b> 20 mg in 100 mL sodium chloride 0.9%	Withdraw 20 mL of solution from a 100 mL bag of sodium chloride 0.9% and discard. Add 20 mg (20 mL of 1 mg/mL) of milrinone to the bag	200 mcg/mL
<b>morphine</b> 100 mg in 100 mL sodium chloride 0.9%	Withdraw 10 mL of solution from a 100 mL bag of sodium chloride 0.9% and discard. Add 100 mg (10 mL of 10 mg/mL) of morphine to the bag <b>OR</b> - Use pharmacy prepared premixed bag of 100 mg morphine in 100 mL sodium chloride 0.9% (note – not available at all sites)	1 mg/mL
<b>naloxone</b> 2 mg in 500 mL sodium chloride 0.9%	Withdraw 5 mL of solution from a 500 mL bag of sodium chloride 0.9% and discard. Add 2 mg (5 mL of 0.4 mg/mL) of naloxone to the bag	0.004mg/mL
<b>nitroglycerin</b> 50 mg in 250 mL dextrose 5% (pre-mixed bottle)	Ready to use pre-mixed bottle of nitroglycerin 50 mg in 250 mL dextrose 5%. <b>OR</b> - Withdraw 10 mL of solution from a 250 mL dextrose 5% polyolefin-non PVC (Excel®) bag and discard. Add 50 mg (10 mL of 5 mg/mL) of nitroglycerin to the bag.	200 mcg/mL
<b>nitroprusside</b> 50 mg in 250 mL dextrose 5%	Withdraw 2 mL of solution from a 250 mL bag of dextrose 5% and discard. Add 50 mg (2 mL of 25 mg/mL) of nitroprusside to the bag. Immediately protect from light with light protective sleeve	200 mcg/mL
<b>norepinephrine</b> 8 mg in 250 mL sodium chloride 0.9% or dextrose 5%	Withdraw 8 mL of solution from a 250 mL bag of sodium chloride 0.9% or dextrose 5% and discard. Add 8 mg (8 mL of 1 mg/mL) of norepinephrine to the bag.	32 mcg/mL
<b>octreotide</b> 500 mcg in 250 mL sodium chloride 0.9%	Withdraw 1 mL of solution from a 250 mL bag of sodium chloride 0.9% and discard. Add 500 mcg (1 mL of 500 mcg/mL) of octreotide to the bag.	2 mcg/mL
<b>oxytocin</b> 10 units in 1000 mL sodium chloride 0.9%	Withdraw 1 mL of solution from a 1000 mL bag of sodium chloride 0.9% and discard. Add 10 units (1 mL of 10 units/mL) of oxytocin to the bag.	0.01 units/mL
<b>oxytocin</b> 20 units in 1000 mL sodium chloride 0.9%	Withdraw 2 mL of solution from a 1000 mL bag of sodium chloride 0.9% and discard. Add 20 units (2 mL of 10 units/mL) of oxytocin to the bag.	0.02 units/mL
<b>pantoprazole</b> 80 mg in 100 mL sodium chloride 0.9%	Withdraw 20 mL of solution from a 100 mL bag of sodium chloride 0.9% and <u>use for reconstitution</u> of pantoprazole. Add 80 mg (20 mL of 4 mg/mL) of pantoprazole to the bag.	0.8 mg/mL
<b>phenylephrine</b> 100 mg in 250 mL sodium chloride 0.9% or dextrose 5%	Withdraw 10 mL of solution from a 250 mL bag of sodium chloride 0.9% or dextrose 5% and discard. Add 100 mg (10 mL of 10 mg/mL) of phenylephrine to the bag.	400 mcg/mL



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<b>procainamide</b> 1000 mg in 250 mL sodium chloride 0.9%	Withdraw 10 mL of solution from a 250 mL bag of sodium chloride 0.9% and discard. Add 1000 mg (10 mL of 100 mg/mL) of procainamide to the bag.	4 mg/mL
<b>Propofol</b> 1000 mg in 100 mL - No dilution (pre-mixed bottle)	Ready to use pre-mixed bottle of propofol 1000 mg in 100 mL	10 mg/mL
<b>rocuronium</b> 100 mg in 50 mL sodium chloride 0.9%	Withdraw 10 mL of solution from a 50 mL bag of sodium chloride 0.9% and discard. Add 100 mg (10 mL of 10 mg/mL) of rocuronium to the bag.	2 mg/mL
<b>sodium chloride 3% - hypertonic</b> 3% in 250 mL-pre mixed bag	Remove pre-mixed bag from overwrap immediately prior to use. sodium chloride 3% in 250 mL	30 mg/mL
<b>vasopressin</b> 50 units in 50 mL dextrose 5%	Withdraw 2.5 mL of solution from a 50 mL bag of dextrose 5% and discard. Add 50 units (2.5 mL of 20 units/mL) of vasopressin to the bag.	1 unit/mL