

Nasal Trumpet	22	Suction Catheters	10-12 Fr
Oral Airway	80	Nasogastric Tubes	14 Fr
Intubation Blades	MILLER or MAC 2	Foley Size	12 Fr
Endotracheal Tubes	5.5 CUFFED	Chest Tubes	20 Fr

<b>Cardioversion #1</b>	0.5joules/kg	<u>10J</u>	<b>Defibrillation #1</b>	2joules/kg	<u>50J</u>
(synchronized) #2	1joules/kg	<u>20J</u>	(asynchronized) #2	4joules/kg	<u>100J</u>
#3	2joules/kg	<u>50J</u>	#3	4joules/kg	<u>100J</u>

**ADENOSINE** (3mg/ml) 100mcg/kg 100mcg x 25 kg = 2500mcg = 0.83 MLS  
 3000mcg/ml

**AMIODARONE** (50 mg/ml) 5mg/kg 5mg x 25 kg = 125 mg = 2.5 MLS  
 (Bolus for VF or pulseless VT ONLY, over 20 to 60 min for VT with pulse)

**ATROPINE** (0.1mg/ml) 0.02mg/kg 0.02mg x 25 kg = 0.5 mg = 5 MLS  
 Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

**CA. CHLORIDE 10%** (100mg/ml) 20mg/kg 20mg x 25 kg = 500 mg = 5 MLS

**EPINEPHRINE 1:10,000** (0.1mg/ml) 0.01mg/kg 0.01mg x 25 kg = 0.25 mg = 2.5 MLS  
 (ALL IV DOSES, may increase dosage for pulseless rhythms)

**EPINEPHRINE 1:1,000** (1mg/ml) 0.1mg/kg 0.1mg x 25 kg = 2.5 mg = 2.5 MLS  
 (ALL ETT DOSES ONLY)

**GLUCOSE--D50%** (500mg/ml) 0.5gm/kg 0.5gm x 25 kg = 12.5gms = 25 MLS

**HCO3-8.4%** (1meq/ml) 1meq/kg 1meq x 25 kg = 25 meq = 25 MLS

**LIDOCAINE** (20mg/ml) 1mg/kg 1mg x 25 kg = 25 mg = 1.25 MLS

**MAGNESIUM** (500mg/ml) 25mg/kg 25mg x 25 kg = 625 mg = 1.25 MLS

**NALOXONE (NARCAN)** (1mg/ml) 0.1mg/kg 0.1mg x 25 kg = 2.5 mg = 2.5 MLS

**FLUMAZENIL** (0.1mg/ml) 0.01mg/kg 0.01mg x 25 kg = 0.25 mg = 2.5 MLS

**DILANTIN** (50mg/ml) 20mg/kg 20mg x 25 kg = 500 mg = 10 MLS

**FENTANYL** (50mcg/ml) 1mcg/kg 1mcg x 25 kg = 25 mcg = 0.5 MLS

**KETAMINE** (10mg/ml) 1mg/kg 1mg x 25 kg = 25 mg = 2.5 MLS

**THIOPENTAL** (25mg/ml) 2mg/kg 2mg x 25 kg = 50 mg = 2 MLS

**VERSED** (1mg/ml) 0.1mg/kg 0.1mg x 25 kg = 2.5 mg = 2.5 MLS

**ROCURONIUM** (10mg/ml) 1mg/kg 1mg x 25 kg = 25 mg = 2.5 MLS

**VECURONIUM** (dilute 10mg/vial) 0.1mg/kg 0.1mg x 25 kg = 2.5 mg = 2.5 MLS  
 (with 10 ml sterile water = 1mg/ml)

25 KG DRIP CALCULATIONS VASOCONSTRICTOR / INOTROPIC MEDICATIONS

<b>MEDICATION</b>	(concentration)	*****																	
<b>DOBUTAMINE</b>	(1 mg/ml)	(Premixed bag = 250 mg/250 ml D5W)																	
	Dosage: mcg/kg/min																		
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20																		
ml/hr	1.5 3 4.5 6 7.5 9 10.5 12 13.5 15 16.5 18 19.5 21 22.5 24 25.5 27 28.5 30																		
<b>DOBUTAMINE</b>	(2 mg/ml)	*** In a Code 99 situation, this concentration is in the crash cart in a pre-mixed IV bag. ***																	
	Dosage: mcg/kg/min	(Premixed bag = 500 mg/250 ml D5W)																	
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20																		
ml/hr	0.8 1.5 2.3 3.0 3.8 4.5 5.3 6 6.8 7.5 8.3 9 9.8 10.5 11.3 12 12.8 13.5 14.3 15																		
<b>MEDICATION</b>	(concentration)	*****																	
<b>DOPAMINE</b>	(0.8 mg/ml)	(Premixed bag = 200 mg/250 ml D5W)																	
	Dosage: mcg/kg/min																		
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20																		
ml/hr	1.9 3.8 5.6 7.5 9.4 11.3 13.1 15 16.9 18.8 20.6 22.5 24.4 26.3 28.1 30 31.9 33.8 35.6 37.5																		
<b>DOPAMINE</b>	(1.6 mg/ml)	*** In a Code 99 situation, this concentration is in the crash cart in a pre-mixed IV bag. ***																	
	Dosage: mcg/kg/min	(Premixed bag = 400 mg/250 ml D5W)																	
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20																		
ml/hr	0.9 1.9 2.8 3.8 4.7 5.6 6.6 7.5 8.4 9.4 10.3 11.3 12.2 13.1 14.1 15 15.9 16.9 17.8 18.8																		
<b>DOPAMINE</b>	(3.2 mg/ml)	(Premixed bag = 800 mg/250 ml D5W)																	
	Dosage: mcg/kg/min																		
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20																		
ml/hr	0.5 0.9 1.4 1.9 2.3 2.8 3.3 3.8 4.2 4.7 5.2 5.6 6.1 6.6 7 7.5 8 8.4 8.9 9.4																		
<b>***</b>	<b>MEDICATION</b>	*****																	
	<b>EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE</b>	(concentration) *****																	
	Dosage: mcg/kg/min																		
	0.05 0.06 0.07 0.08 0.09 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 1.5 2																		
ml/hr	3.8 4.5 5.3 6 6.8 7.5 15 22.5 30 37.5 45 52.5 60 67.5 75 XXX X																		
	<b>EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE</b>	(0.05 mg/ml)																	
	Dosage: mcg/kg/min																		
	0.05 0.06 0.07 0.08 0.09 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 1.5 2																		
ml/hr	1.5 1.8 2.1 2.4 2.7 3 6 9 12 15 18 21 24 27 30 45 60																		
<b>EPINEPHRINE</b>	(0.1 mg/ml)	** In a Code 99 situation, draw up 45 ml's of D5W in a 60 ml syringe and add 5 ml's of 1:1,000 Epinephrine (vial) for a final concentration of 0.1 mg/ml. **																	
	Dosage: mcg/kg/min																		
	0.05 0.06 0.07 0.08 0.09 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 1.5 2																		
ml/hr	0.8 0.9 1.1 1.2 1.4 1.5 3 4.5 6 7.5 9 10.5 12 13.5 15 22.5 30																		

**25 KG DRIP CALCULATIONS VASOCONSTRICTOR / INOTROPIC MEDICATIONS**

*****	MEDICATION	(concentration)	*****																
	MILRINONE	(0.1 mg/ml)																	
		Dosage: mcg/kg/min																	
		0.1 0.2 0.25 0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7 0.75 0.8 0.85 0.9 0.95 1																	
	ml/hr	1.5 3 3.8 4.5 5.3 6 6.8 7.5 8.3 9 9.8 10.5 11.3 12 12.8 13.5 14.3 15																	

	MILRINONE	(0.2 mg/ml)	(Premixed bag = 40 mg/200 ml D5W)																
		Dosage: mcg/kg/min																	
		0.1 0.2 0.25 0.3 0.35 0.4 0.45 0.5 0.55 0.6 0.65 0.7 0.75 0.8 0.85 0.9 0.95 1																	
	ml/hr	0.8 1.5 1.9 2.3 2.6 3 3.4 3.8 4.1 4.5 4.9 5.3 5.6 6 6.4 6.8 7.1 7.5																	

***	MEDICATION	(concentration)	*****																
	NOREPINEPHRINE	(0.02 mg/ml)																	
		Dosage: mcg/kg/min																	
		0.05 0.06 0.07 0.08 0.09 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 1.5 2																	
	ml/hr	3.8 4.5 5.3 6 6.8 7.5 15 22.5 30 37.5 45 52.5 60 67.5 75 XXX X																	

	NOREPINEPHRINE	(0.04 mg/ml)																	
		Dosage: mcg/kg/min																	
		0.05 0.06 0.07 0.08 0.09 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1 1.5 2																	
	ml/hr	1.9 2.3 2.6 3 3.4 3.8 7.5 11.3 15 18.8 22.5 26.3 30 33.8 37.5 56.3 75																	

**25 KG DRIP CALCULATIONS ANTIARRHYTHMIC**

*****	MEDICATION	(concentration)	*****																
			*** In a Code 99 situation, draw up 48 ml's of D5W in a 60 cc syringe and add 1.8 ml's of Amiodarone for a concentration of 1.8 mg/ml. ***																
	AMIODARONE	(1.8 mg/ml)																	
		Dosage: mcg/kg/min																	
		5 6 7 8 9 10 11 12 13 14 15																	
	ml/hr	4.2 5 5.8 6.7 7.5 8.3 9.2 10 10.8 11.7 12.5																	

*****	MEDICATION	(concentration)	*****																
			*** In a Code 99 situation, this concentration is in the crash cart in a pre-mixed IV bag. ***																
	LIDOCAINE	(4 mg/ml)	(Premixed bag = 2 grams/500 ml D5W)																
		Dosage: mcg/kg/min																	
		10 15 20 25 30 35 40 45 50																	
	ml/hr	3.8 5.6 7.5 9.4 11.3 13.1 15 16.9 18.8																	

25 KG DRIP CALCULATIONS FOR VASODILATOR/ANTIHYPERTENSIVE MEDICATIONS

\*\*\*\*\* MEDICATION (concentration) \*\*\*\*\*

NICARDIPINE		(1 mg/ml)														
Dosage: mcg/kg/min																
		0.5	1	1.5	2	2.5	3	3.5	4	4.5	5					
ml/hr		0.8	1.5	2.3	3	3.8	4.5	5.3	6	6.8	7.5					

\*\*\*\*\* MEDICATION (concentration) \*\*\*\*\*

NITROPRUSSIDE		(1 mg/ml)																	
Dosage: mcg/kg/min																			
		0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8		
ml/hr		0.8	1.5	2.3	3	3.8	4.5	5.3	6	6.8	7.5	8.3	9	9.8	10.5	11.3	12		

MEDICATION (concentration) \*\*\*\*\*

NITROGLYCERIN		(0.8 mg/ml)																			
Dosage: mcg/kg/min																					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ml/hr		1.9	3.8	5.6	7.5	9.4	11.3	13.1	15	16.9	18.8	20.6	22.5	24.4	26.3	28.1	30	31.9	33.8	35.6	37.5

25 KG DRIP CALCULATIONS CALCIUM CHLORIDE

\*\*\*\*\* MEDICATION (concentration) \*\*\*\*\*

CALCIUM CHLORIDE (10 mg/ml)  
 Dosage: mg/kg/hour  
 1 2 3 4 5  
 ml/hr 2.5 5 7.5 10 12.5

CALCIUM CHLORIDE (50 mg/ml)  
 Dosage: mg/kg/hour  
 1 2 3 4 5  
 ml/hr 0.5 1 1.5 2 2.5

25 KG DRIP CALCULATIONS FENTANYL AND VERSED

\*\*\*\*\* MEDICATION (concentration) \*\*\*\*\*

FENTANYL (25 mcg/ml = 0.025 mg/ml)  
 Dosage: mcg/kg/hour  
 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5  
 ml/hr 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

FENTANYL (50 mcg/ml = 0.05 mg/ml)  
 Dosage: mcg/kg/hour  
 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5  
 ml/hr 0.3 0.5 0.8 1 1.3 1.5 1.8 2 2.3 2.5

\*\*\*\*\* MEDICATION (concentration) \*\*\*\*\*

VERSED (1 mg/ml)  
 Dosage: mg/kg/hour  
 0.05 0.1 0.15 0.2 0.25 0.3 0.35 0.4 0.45 0.5  
 ml/hr 1.3 2.5 3.8 5 6.3 7.5 8.8 10 11.3 12.5

VERSED (5 mg/ml)  
 Dosage: mg/kg/hour  
 0.05 0.1 0.15 0.2 0.25 0.3 0.35 0.4 0.45 0.5  
 ml/hr 0.3 0.5 0.8 1 1.3 1.5 1.8 2 2.3 2.5