

Nasal Trumpet	18	Suction Catheters	8 Fr
Oral Airway	60	Nasogastric Tubes	10 Fr
Intubation Blades	Miller 2, Mac 2	Foley Size	8-10 Fr
Endotracheal Tubes	4.0-4.5	Chest Tubes	12 Fr

<b>Cardioversion #1</b>	0.5joules/kg	<u>6 J</u>	<b>Defibrillation #1</b>	2joules/kg	<u>30 J</u>
(synchronized) #2	1joules/kg	<u>10 J</u>	(asynchronized) #2	4joules/kg	<u>50 J</u>
#3	2joules/kg	<u>30 J</u>	#3	4joules/kg	<u>50 J</u>

**ADENOSINE** (3mg/ml) 100mcg/kg 100mcg x 12 kg = 1200mcg = 0.4 MLS  
 3000mcg/ml

**AMIODARONE** (50 mg/ml) 5mg/kg 5mg x 12 kg = 60 mg = 1.2 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 12 kg = 0.24 mg = 2.4 MLS  
 Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

**CA. CHLORIDE 10%** (100mg/ml) 20mg/kg 20mg x 12 kg = 240 mg = 2.4 MLS

**EPINEPHRINE 1:10,000** (0.1mg/ml) 0.01mg/kg 0.01mg x 12 kg = 0.12 mg = 1.2 MLS  
 (ALL IV DOSES, may increase dosage for pulseless rhythms)

**EPINEPHRINE 1:1,000** (1mg/ml) 0.1mg/kg 0.1mg x 12 kg = 1.2 mg = 1.2 MLS  
 (ALL ETT DOSES ONLY)

**GLUCOSE--D25%** (250mg/ml) 0.5gm/kg 0.5gm x 12 kg = 6 gm = 24 MLS

**HCO3-8.4%** (1meq/ml) 1meq/kg 1meq x 12 kg = 12 meq = 12 MLS

**LIDOCAINE** (20mg/ml) 1mg/kg 1mg x 12 kg = 12 mg = 0.6 MLS

**MAGNESIUM** (500mg/ml) 25mg/kg 25mg x 12 kg = 300 mg = 0.6 MLS

**NALOXONE (NARCAN)** (1mg/ml) 0.1mg/kg 0.1mg x 12 kg = 1.2 mg = 1.2 MLS

**FLUMAZENIL** (0.1mg/ml) 0.01mg/kg 0.01mg x 12 kg = 0.12 mg = 1.2 MLS

**DILANTIN** (50mg/ml) 20mg/kg 20mg x 12 kg = 240 mg = 4.8 MLS

**FENTANYL** (50mcg/ml) 1mcg/kg 1mcg x 12 kg = 12 mcg = 0.24 MLS

**KETAMINE** (10mg/ml) 1mg/kg 1mg x 12 kg = 12 mg = 1.2 MLS

**THIOPENTAL** (25mg/ml) 2mg/kg 2mg x 12 kg = 24 mg = 0.96 MLS

**VERSED** (1mg/ml) 0.1mg/kg 0.1mg x 12 kg = 1.2 mg = 1.2 MLS

**ROCURONIUM** (10mg/ml) 1mg/kg 1mg x 12 kg = 12 mg = 1.2 MLS

**VECURONIUM** (dilute 10mg/vial) 0.1mg/kg 0.1mg x 12 kg = 1.2 mg = 1.2 MLS  
 (with 10 ml sterile water = 1mg/ml)

12 KG DRIP CALCULATIONS VASOCONSTRICTOR / INOTROPIC MEDICATIONS

MEDICATION (concentration)		*****																			
DOBUTAMINE (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		0.7	1.4	2.2	2.9	3.6	4.3	5	5.8	6.5	7.2	7.9	8.6	9.4	10.1	10.8	11.5	12.2	13	13.7	14.4

DOBUTAMINE (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		0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.2	3.6	4	4.3	4.7	5	5.4	5.8	6.1	6.5	6.8	7.2

MEDICATION (concentration)		*****																			
DOPAMINE (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		0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	9	9.9	10.8	11.7	12.6	13.5	14.4	15.3	16.2	17.1	18

DOPAMINE (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		0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5	5	5.4	5.9	6.3	6.8	7.2	7.7	8.1	8.6	9

DOPAMINE (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		0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2	2.3	2.5	2.7	2.9	3.2	3.4	3.6	3.8	4.1	4.3	4.5

***	MEDICATION	*****																			
	EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE	(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		1.8	2.2	2.5	2.9	3.2	3.6	7.2	10.8	14.4	18	21.6	25.2	28.8	32.4	36	54	72			

	EPINEPRINE / ISOPROTERENOL / PHENYLEPHRINE	(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		0.7	0.9	1	1.2	1.3	1.4	2.9	4.3	5.8	7.2	8.6	10.1	11.5	13	14.4	21.6	28.8			

	EPINEPHRINE (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		0.4	0.4	0.5	0.6	0.6	0.7	1.4	2.2	2.9	3.6	4.3	5	5.8	6.5	7.2	10.8	14.4			

**12 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	0.7	1.4	1.8	2.2	2.5	2.9	3.2	3.6	4	4.3	4.7	5	5.4	5.8	6.1	6.5	6.8	7.2

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	0.4	0.7	0.9	1.1	1.3	1.4	1.6	1.8	2	2.2	2.3	2.5	2.7	2.9	3.1	3.2	3.4	3.6

\*\*\* 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	1.8	2.2	2.5	2.9	3.2	3.6	7.2	10.8	14.4	18	21.6	25.2	28.8	32.4	36	54	72

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	0.9	1.1	1.3	1.4	1.6	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18	27	36

**12 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	2	2.4	2.8	3.2	3.6	4	4.4	4.8	5.2	5.6	6

\*\*\*\*\* 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	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	9

12 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		0.4 0.7 1.1 1.4 1.8 2.2 2.5 2.9 3.2 3.6										

*****	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		0.4 0.7 1.1 1.4 1.8 2.2 2.5 2.9 3.2 3.6 4 4.3 4.7 5 5.4 5.8																

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	0.9 1.8 2.7 3.6 4.5 5.4 6.3 7.2 8.1 9 9.9 10.8 11.7 12.6 13.5 14.4 15.3 16.2 17.1 18																				

12 KG DRIP CALCULATIONS CALCIUM CHLORIDE

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

CALCIUM CHLORIDE (10 mg/ml)  
 Dosage: mg/kg/hour  
 1 2 3 4 5  
 ml/hr 1.2 2.4 3.6 4.8 6

CALCIUM CHLORIDE (50 mg/ml)  
 Dosage: mg/kg/hour  
 1 2 3 4 5  
 ml/hr 0.2 0.5 0.7 1 1.2

12 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 0.2 0.5 0.7 1 1.2 1.4 1.7 1.9 2.2 2.4

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 0.1 0.2 0.4 0.5 0.6 0.7 0.8 1 1.1 1.2

\*\*\*\*\* 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 0.6 1.2 1.8 2.4 3 3.6 4.2 4.8 5.4 6

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 0.1 0.2 0.4 0.5 0.6 0.7 0.8 1 1.1 1.2