

Nasal Trumpet	26	Suction Catheters	12-14 Fr
Oral Airway	80	Nasogastric Tubes	14 Fr
Intubation Blades	Miller or Mac 2-3	Foley Size	12 Fr
Endotracheal Tubes	6.0 cuffed	Chest Tubes	20 Fr

Cardioversion #1	0.5joules/kg	<u>20J</u>	Defibrillation #1	2joules/kg	<u>50J</u>
(synchronized) #2	1joules/kg	<u>30J</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 30 kg = 3000 mcg = 1 MLS
3000mcg/ml

AMIODARONE (50 mg/ml) 5mg/kg 5mg x 30 kg = 150 mg = 3 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 30 kg = 0.6 mg = 6 MLS
Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls

CA. CHLORIDE 10% (100mg/ml) 20mg/kg 20mg x 30 kg = 600 mg = 6 MLS

EPINEPHRINE 1:10,000 (0.1mg/ml) 0.01mg/kg 0.01mg x 30 kg = 0.3 mg = 3 MLS
(ALL IV DOSES, may increase dosage for pulseless rhythms)

EPINEPHRINE 1:1,000 (1mg/ml) 0.1mg/kg 0.1mg x 30 kg = 3.0 mg = 3 MLS
(ALL ETT DOSES ONLY)

GLUCOSE--D50% (500mg/ml) 0.5gm/kg 0.5gm x 30 kg = 15 gms = 30 MLS

HCO3-8.4% (1meq/ml) 1meq/kg 1meq x 30 kg = 30 meq = 30 MLS

LIDOCAINE (20mg/ml) 1mg/kg 1mg x 30 kg = 30 mg = 1.5 MLS

MAGNESIUM (500mg/ml) 25mg/kg 25mg x 30 kg = 750 mg = 1.5 MLS

NALOXONE (NARCAN) (1mg/ml) 0.1mg/kg 0.1mg x 30 kg = 3 mg = 3 MLS

FLUMAZENIL (0.1mg/ml) 0.01mg/kg 0.01mg x 30 kg = 0.3 mg = 3 MLS

DILANTIN (50mg/ml) 20mg/kg 20mg x 30 kg = 600 mg = 12 MLS

FENTANYL (50mcg/ml) 1mcg/kg 1mcg x 30 kg = 30 mcg = 0.6 MLS

KETAMINE (10mg/ml) 1mg/kg 1mg x 30 kg = 30 mg = 3 MLS

THIOPENTAL (25mg/ml) 2mg/kg 2mg x 30 kg = 60 mg = 2.4 MLS

VERSED (1mg/ml) 0.1mg/kg 0.1mg x 30 kg = 3 mg = 3 MLS

ROCURONIUM (10mg/ml) 1mg/kg 1mg x 30 kg = 30 mg = 3 MLS

VECURONIUM (dilute 10mg/vial) 0.1mg/kg 0.1mg x 30 kg = 3 mg = 3 MLS
(with 10 ml sterile water = 1mg/ml)

30 KG DRIP CALCULATIONS VASOCONSTRICTOR / INOTROPIC MEDICATIONS

MEDICATION		*****																			
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	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2	18	19.8	21.6	23.4	25.2	27	28.8	30.6	32.4	34.2	36	
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	0.9	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	
MEDICATION		*****																			
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	2.3	4.5	6.8	9	11.3	13.5	15.8	18	20.3	22.5	24.8	27	29.3	31.5	33.8	36	38.3	40.5	42.8	45	
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	1.1	2.3	3.4	4.5	5.6	6.8	7.9	9	10.1	11.3	12.4	13.5	14.6	15.8	16.9	18	19.1	20.3	21.4	22.5	
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	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.5	5.1	5.6	6.2	6.8	7.3	7.9	8.4	9	9.6	10.1	10.7	11.3	
*** MEDICATION		***** (concentration) *****																			
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	4.5	5.4	6.3	7.2	8.1	9	18	27	36	45	54	63	72	81	90	XX	X				
EPINEPHRINE / 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	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				
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	0.9	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				

30 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	1.8 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																	

	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	0.9 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																	

***	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	4.5 5.4 6.3 7.2 8.1 9 18 27 36 45 54 63 72 81 90 XX 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	2.3 2.7 3.2 3.6 4.1 4.5 9 13.5 18 22.5 27 31.5 36 40.5 45 67.5 90																	

30 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	5 6 7 8 9 10 11 12 13 14 15																		

*****	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	4.5 6.8 9 11.3 13.5 15.8 18 20.3 22.5																		

30 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	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	9

***** 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	0.9	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

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	2.3	4.5	6.8	9	11.3	13.5	15.8	18	20.3	22.5	24.8	27	29.3	31.5	33.8	36	38.3	40.5	42.8	45

30 KG DRIP CALCULATIONS CALCIUM CHLORIDE

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

CALCIUM CHLORIDE (10 mg/ml)						
Dosage: mg/kg/hour						
		1	2	3	4	5
ml/hr		3	6	9	12	15

CALCIUM CHLORIDE (50 mg/ml)						
Dosage: mg/kg/hour						
		1	2	3	4	5
ml/hr		0.6	1.2	1.8	2.4	3

30 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		0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6

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	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3

***** 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		1.5	3	4.5	6	7.5	9	10.5	12	13.5	15

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	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3