

WEIGHT 50 KG

Nasal Trumpet	26	Suction Catheters	12-14 Fr
Oral Airway	90	Nasogastric Tubes	14 Fr
Intubation Blades	Miller or Mac 3	Foley Size	14-16 Fr
Endotracheal Tubes	7.0-7.5 Cuffed	Chest Tubes	24 Fr

Cardioversion #1	0.5joules/kg	<u>20J</u>	Defibrillation #1	2joules/kg	<u>100J</u>
(synchronized) #2	1joules/kg	<u>50J</u>	(asynchronized) #2	4joules/kg	<u>200J</u>
#3	2joules/kg	<u>100J</u>	#3	4joules/kg	<u>200J</u>

ADENOSINE	(3mg/ml)	100mcg/kg	100mcg x <u>50 kg</u> = 5000mcg =	<u>1.67 MLS</u>
	3000mcg/ml			
AMIODARONE	(50 mg/ml)	5mg/kg	5mg X <u>50 kg</u> =250mg (Max dose = 150mg) =	<u>3 MLS</u>
			(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 <u>50 kg</u> = 1 mg =	<u>10 MLS</u>
			Minimum Dose: 0.1mg or 1ml / Maximum dose: 2 mg or 20 mls	
CA. CHLORIDE 10%	(100mg/ml)	20mg/kg	20mg x <u>50 kg</u> = 1000 mg =	<u>10 MLS</u>
EPINEPHRINE 1:10,000	(0.1mg/ml)	0.01mg/kg	0.01mg x <u>50 kg</u> = 0.5 mg =	<u>5 MLS</u>
			(ALL IV DOSES, may increase dosage for pulseless rhythms)	
EPINEPHRINE 1:1,000	(1mg/ml)	0.1mg/kg	0.1mg x <u>50 kg</u> = 5 mg =	<u>5 MLS</u>
			(ALL ETT DOSES ONLY)	
GLUCOSE--D50%	(500mg/ml)	0.5gm/kg	0.5gm x <u>50 kg</u> = 25 gms =	<u>50 MLS</u>
HCO3-8.4%	(1meq/ml)	1meq/kg	1meq x <u>50 kg</u> = 50 meq =	<u>50 MLS</u>
LIDOCAINE	(20mg/ml)	1mg/kg	1mg x <u>50 kg</u> = 50 mg =	<u>2.5 MLS</u>
MAGNESIUM	(500mg/ml)	25mg/kg	25mg x <u>50 kg</u> = 1.25 gm =	<u>2.5 MLS</u>
NALOXONE (NARCAN)	(1mg/ml)	0.1mg/kg	0.1mg x <u>50 kg</u> = 5 mg =	<u>5 MLS</u>
FLUMAZENIL	(0.1mg/ml)	0.01mg/kg	0.01mg x <u>50 kg</u> = 0.5 mg =	<u>5 MLS</u>
DILANTIN	(50mg/ml)	20mg/kg	20mg x <u>50 kg</u> = 1000 mg =	<u>20 MLS</u>
FENTANYL	(50mcg/ml)	1mcg/kg	1mcg x <u>50 kg</u> = 50 mcg =	<u>1 MLS</u>
KETAMINE	(10mg/ml)	1mg/kg	1mg x <u>50 kg</u> = 50 mg =	<u>5 MLS</u>
THIOPENTAL	(25mg/ml)	2mg/kg	2mg x <u>50 kg</u> = 100 mg =	<u>4 MLS</u>
VERSED	(1mg/ml)	0.1mg/kg	0.1mg x <u>50 kg</u> = 5 mg =	<u>5 MLS</u>
ROCURONIUM	(10mg/ml)	1mg/kg	1mg x <u>50 kg</u> = 50 mg =	<u>5 MLS</u>
VECURIONIUM	(dilute 10mg/vial)	0.1mg/kg	0.1mg x <u>50 kg</u> = 5 mg =	<u>5 MLS</u>
	(with 10 ml sterile water = 1mg/ml)			

50 KG DRIP CALCULATIONS VASOCONSTRICTOR / INOTROPIC MEDICATIONS

MEDICATION	(concentration)	*****																			
DOBUTAMINE	(1 mg/ml)	(Premixed bag = 250 mg/250 ml D5W)																			
	Dosage: mcg/kg/min																				
ml/hr	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60
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)																			
ml/hr	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	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
DOPAMINE	(0.8 mg/ml)	*****																			
	Dosage: mcg/kg/min	(Premixed bag = 200 mg/250 ml D5W)																			
ml/hr	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	3.8	7.5	11.3	15	18.8	22.5	26.3	30	33.8	37.5	41.3	45	48.8	52.5	56.3	60	63.8	67.5	71.3	75
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)																			
ml/hr	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	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
DOPAMINE	(3.2 mg/ml)	(Premixed bag = 800 mg/250 ml D5W)																			
ml/hr	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	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
***	MEDICATION	*****																			
	EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE	(concentration) *****																			
	Dosage: mcg/kg/min	(0.02 mg/ml)																			
ml/hr	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	7.5	9	10.5	12	13.5	15	30	45	60	75	90	105	120	135	150	XXX	XX			
	EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE	(0.05 mg/ml)																			
	Dosage: mcg/kg/min																				
ml/hr	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	3	3.6	4.2	4.8	5.4	6	12	18	24	30	36	42	48	54	60	90	120			
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																				
ml/hr	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	1.5	1.8	2.1	2.4	2.7	3	6	9	12	15	18	21	24	27	30	45	60			

50 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	3	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

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	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

*** 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	7.5	9	10.5	12	13.5	15	30	45	60	75	90	105	120	135	150	XXX	XX

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	3.8	4.5	5.3	6	6.8	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	112.5	150

50 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	8.3	10	11.7	13.3	15	16.7	18.3	20	21.7	23.3	25

***** 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	7.5	11.3	15	18.8	22.5	26.3	30	33.8	37.5

50 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	1.5	3	4.5	6	7.5	9	10.5	12	13.5	15		

*****	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	1.5	3	4.5	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21	22.5	24		

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	3.8	7.5	11.3	15	18.8	22.5	26.3	30	33.8	37.5	41.3	45	48.8	52.5	56.3	60	63.8	67.5	71.3	75	

50 KG DRIP CALCULATIONS CALCIUM CHLORIDE

*****	MEDICATION	(concentration)	*****							
	CALCIUM CHLORIDE	(10 mg/ml)								
		Dosage: mg/kg/hour								
			1	2	3	4	5			
ml/hr			5	10	15	20	25			

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

50 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			1	2	3	4	5	6	7	8	9	10

	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			0.5	1	1.5	2	2.5	3	3.5	4	4.5	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			2.5	5	7.5	10	12.5	15	17.5	20	22.5	25

	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			0.5	1	1.5	2	2.5	3	3.5	4	4.5	5