

**WEIGHT      45 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	6.5-7.0 Cuffed	Chest Tubes	24 Fr

<b>Cardioversion #1</b>	0.5joules/kg	<u>20J</u>	<b>Defibrillation #1</b>	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 45 kg = 4500mcg = 1.5 MLS  
 3000mcg/ml

**AMIODARONE** (50 mg/ml)    5mg/kg    5mg x 45 kg = 225 mg (Max dose=150mg) = 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 45 kg = 0.9 mg = 9 MLS  
 Minimum Dose: 0.1mg or 1ml / Maximum dose: 2mg or 20 mls

**CA. CHLORIDE 10%** (100mg/ml)    20mg/kg      20mg x 45 kg = 900 mg = 9 MLS

**EPINEPHRINE 1:10,000** (0.1mg/ml)    0.01mg/kg    0.01mg x 45 kg = 0.45 mg = 4.5 MLS  
 (ALL IV DOSES, may increase dosage for pulseless rhythms)

**EPINEPHRINE 1:1,000** (1mg/ml)      0.1mg/kg      0.1mg x 45 kg = 4.5 mg = 4.5 MLS  
 (ALL ETT DOSES ONLY)

**GLUCOSE--D50%** (500mg/ml)    0.5gm/kg      0.5gm x 45 kg = 22.5gms = 45 MLS

**HCO3-8.4%**      (1meq/ml)      1meq/kg      1meq x 45 kg = 45 meq = 45 MLS

**LIDOCAINE**      (20mg/ml)      1mg/kg      1mg x 45 kg = 45 mg = 2.25 MLS

**MAGNESIUM**      (500mg/ml)      25mg/kg      25mg x 45 kg =1.125 gm = 2.25 MLS

**NALOXONE (NARCAN)** (1mg/ml)    0.1mg/kg      0.1mg x 45 kg = 4.5 mg = 4.5 MLS

**FLUMAZENIL**      (0.1mg/ml)    0.01mg/kg    0.01mg x 45 kg = 0.45 mg = 4.5 MLS

**DILANTIN**      (50mg/ml)      20mg/kg      20mg x 45 kg = 900 mg = 18 MLS

**FENTANYL**      (50mcg/ml)      1mcg/kg      1mcg x 45 kg = 45 mcg = 0.9 MLS

**KETAMINE**      (10mg/ml)      1mg/kg      1mg x 45 kg = 45 mg = 4.5 MLS

**THIOPENTAL**      (25mg/ml)      2mg/kg      2mg x 45 kg = 90 mg = 3.6 MLS

**VERSED**      (1mg/ml)      0.1mg/kg      0.1mg x 45 kg = 4.5 mg = 4.5 MLS

**ROCURONIUM**      (10mg/ml)      1mg/kg      1mg x 45 kg = 45 mg = 4.5 MLS

**VECURONIUM** (dilute 10mg/vial) 0.1mg/kg    0.1mg x 45 kg = 4.5 mg = 4.5 MLS  
 (with 10 ml sterile water = 1mg/ml)

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

<b>MEDICATION (concentration) *****</b>																				
<b>DOBUTAMINE (1 mg/ml)</b>		<b>(Premixed bag = 250 mg/250 ml D5W)</b>																		
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	2.7	5.4	8.1	10.8	13.5	16.2	18.9	21.6	24.3	27	29.7	32.4	35.1	37.8	40.5	43.2	45.9	48.6	51.3	54
<b>DOBUTAMINE (2 mg/ml) *** In a Code 99 situation, this concentration is in the crash cart in a pre-mixed IV bag. ***</b>																				
<b>DOBUTAMINE (2 mg/ml)</b>		<b>(Premixed bag = 500 mg/250 ml D5W)</b>																		
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	1.4	2.7	4.1	5.4	6.8	8.1	9.5	10.8	12.2	13.5	14.9	16.2	17.6	18.9	20.3	21.6	23	24.3	25.7	27
<b>MEDICATION (concentration) *****</b>																				
<b>DOPAMINE (0.8 mg/ml)</b>		<b>(Premixed bag = 200 mg/250 ml D5W)</b>																		
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	3.4	6.8	10.1	13.5	16.9	20.3	23.6	27	30.4	33.8	37.1	40.5	43.9	47.3	50.6	54	57.4	60.8	64.1	67.5
<b>DOPAMINE (1.6 mg/ml) *** In a Code 99 situation, this concentration is in the crash cart in a pre-mixed IV bag. ***</b>																				
<b>DOPAMINE (1.6 mg/ml)</b>		<b>(Premixed bag = 400 mg/250 ml D5W)</b>																		
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	1.7	3.4	5.1	6.8	8.4	10.1	11.8	13.5	15.2	16.9	18.6	20.3	21.9	23.6	25.3	27	28.7	30.4	32.1	33.8
<b>DOPAMINE (3.2 mg/ml) (Premixed bag = 800 mg/250 ml D5W)</b>																				
<b>DOPAMINE (3.2 mg/ml)</b>		<b>(Premixed bag = 800 mg/250 ml D5W)</b>																		
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	0.8	1.7	2.5	3.4	4.2	5.1	5.9	6.8	7.6	8.4	9.3	10.1	11	11.8	12.7	13.5	14.3	15.2	16	16.9
<b>*** MEDICATION ***** (concentration) *****</b>																				
<b>EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE (0.02 mg/ml)</b>																				
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	6.8	8.1	9.5	10.8	12.2	13.5	27	40.5	54	67.5	81	94.5	108	121.5	135	XXX	X			
<b>EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE (0.05 mg/ml)</b>																				
<b>EPINEPHRINE / ISOPROTERENOL / PHENYLEPHRINE (0.05 mg/ml)</b>																				
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	2.7	3.2	3.8	4.3	4.9	5.4	10.8	16.2	21.6	27	32.4	37.8	43.2	48.6	54	81	108			
<b>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. **</b>																				
<b>EPINEPHRINE (0.1 mg/ml)</b>		<b>** 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. **</b>																		
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	1.4	1.6	1.9	2.2	2.4	2.7	5.4	8.1	10.8	13.5	16.2	18.9	21.6	24.3	27	40.5	54			

**45 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	2.7 5.4 6.8 8.1 9.5 10.8 12.2 13.5 14.9 16.2 17.6 18.9 20.3 21.6 23 24.3 25.7 27																	
	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	1.4 2.7 3.4 4.1 4.7 5.4 6.1 6.8 7.4 8.1 8.8 9.5 10.1 10.8 11.5 12.2 12.8 13.5																	
***	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	6.8 8.1 9.5 10.8 12.2 13.5 27 40.5 54 67.5 81 94.5 108 121.5 135 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	3.4 4.1 4.7 5.4 6.1 6.8 13.5 20.3 27 33.8 40.5 47.3 54 60.8 67.5 101.3 135																	

**45 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	7.5 9 10.5 12 13.5 15 16.5 18 19.5 21 22.5																	
*****	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	6.8 10.1 13.5 16.9 20.3 23.6 27 30.4 33.8																	

45 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	1.4	2.7	4.1	5.4	6.8	8.1	9.5	10.8	12.2	13.5					

\*\*\*\*\* 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	1.4	2.7	4.1	5.4	6.8	8.1	9.5	10.8	12.2	13.5	14.9	16.2	17.6	18.9	20.3	21.6		

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	3.4	6.8	10.1	13.5	16.9	20.3	23.6	27	30.4	33.8	37.1	40.5	43.9	47.3	50.6	54	57.4	60.8	64.1	67.5

45 KG DRIP CALCULATIONS CALCIUM CHLORIDE

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

CALCIUM CHLORIDE (10 mg/ml)  
 Dosage: mg/kg/hour

	1	2	3	4	5
ml/hr	4.5	9	13.5	18	22.5

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CALCIUM CHLORIDE (50 mg/ml)  
 Dosage: mg/kg/hour

	1	2	3	4	5
ml/hr	0.9	1.8	2.7	3.6	4.5

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45 KG DRIP CALCULATIONS FENTANYL AND VERSED

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\*\*\*\*\* 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	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	9

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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	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5

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\*\*\*\*\* 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	2.3	4.5	6.8	9	11.3	13.5	15.8	18	20.3	22.5

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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	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5

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