

Weight (kg)			2 kg	3 kg	5 kg	7.5 kg	10 kg	Dose	Maximum Single Dose
Age			Premature	Newborn	1 mo	6 mo	1 yr		
ET tube size			3.0 – 3.5	3.0 – 3.5	3.5	3.5 – 4.0	4.0		
<b>Adenosine</b> Conc = 3 mg/mL Administer by rapid IV/IO bolus	Dose		0.15 mg	0.3 mg	0.6 mg	0.75 mg	0.9 mg	0.1 mg/kg	12 mg
	Volume		0.05 mL	0.1 mL	0.2 mL	0.25 mL	0.3 mL	0.03 mL/kg	4 mL
<b>Amiodarone</b> Conc = 50 mg/mL Dilute and administer IV/IO over 25 minutes	Dose		10 mg	15 mg	25 mg	37.5 mg	50 mg	5 mg/kg	300 mg
	Volume		0.2 mL	0.3 mL	0.5 mL	0.75 mL	1 mL	0.1 mL/kg	6 mL
<b>Atropine*</b> Conc = 0.1 mg/mL Administer IV/IO	Dose		0.1 mg	0.1 mg	0.1 mg	0.15 mg	0.2 mg	0.02 mg/kg	0.5 mg
	Volume		1 mL	1 mL	1 mL	1.5 mL	2 mL	0.2 mL/kg	5 mL
<b>Calcium Chloride 10%</b> Conc = 100 mg/mL Administer IV/IO very slowly (1 mL/min)	Dose		40 mg	60 mg	100 mg	150 mg	200 mg	20 mg/kg	1000 mg
	Volume		0.4 mL	0.6 mL	1 mL	1.5 mL	2 mL	0.2 mL/kg	10 mL
<b>Dextrose 50%</b> Conc = 0.5 g/mL Dilute 1:1 with sterile water Administer IV/IO	Dose		1 g	1.5 g	2.5 g	3.75 g	5 g	0.5 g/kg	50 g
	Volume		2 mL	3 mL	5 mL	7.5 mL	10 mL	1 mL/kg	100 mL
	Water		2 mL	3 mL	5 mL	7.5 mL	10 mL	1 mL/kg	100 mL
<b>Epinephrine 1:10,000</b> Conc = 0.1 mg/mL (Syringe) Administer IV/IO	Dose		0.02 mg	0.03 mg	0.05 mg	0.075 mg	0.1 mg	0.01 mg/kg	1 mg
	Volume		0.2 mL	0.3 mL	0.5 mL	0.75 mL	1 mL	0.1 mL/kg	10 mL
<b>Epinephrine 1:1,000</b> Conc = 1 mg/mL (Vial) Administer per ETT only	Dose		0.2 mg	0.3 mg	0.5 mg	0.75 mg	1 mg	0.1 mg/kg	10 mg (ETT)
	Volume		0.2 mL	0.3 mL	0.5 mL	0.75 mL	1 mL	0.1 mL/kg	10 mL (ETT)
<b>Lidocaine</b> Conc = 20 mg/mL Administer IV/IO	Dose		2 mg	3 mg	5 mg	8 mg	10 mg	1 mg/kg	100 mg
	Volume		0.1 mL	0.15 mL	0.25 mL	0.4 mL	0.5 mL	0.05 mL/kg	5 mL
<b>Magnesium Sulfate</b> Conc = 500 mg/mL Dilute and administer IV/IO over 20 minutes	Dose		50 mg	75 mg	125 mg	200 mg	250 mg	25 mg/kg	1000 mg
	Volume		0.1 mL	0.15 mL	0.25 mL	0.4 mL	0.5 mL	0.05 mL/kg	2 mL
<b>Naloxone</b> (total reversal) Conc = 0.4 mg/mL Administer IV/IO/ETT	Dose		0.2 mg	0.3 mg	0.5 mg	0.76 mg	1 mg	0.1 mg/kg	2 mg
	Volume		0.5 mL	0.75 mL	1.25 mL	1.9 mL	2.5 mL	0.25 mL/kg	5 mL
<b>Naloxone</b> (partial reversal) Conc = 0.4 mg/mL Administer IV/IO/ETT	Dose		0.02 mg	0.04 mg	0.06 mg	0.08 mg	0.1 mg	0.01 mg/kg	0.2 mg
	Volume		0.05 mL	0.1 mL	0.15 mL	0.2 mL	0.25 mL	0.025 mL/kg	0.5 mL
<b>Sodium Bicarbonate 8.4%</b> Conc = 1 mEq/mL Dilute 1:1 with sterile water Administer IV/IO	Dose		2 mEq	3 mEq	5 mEq	7.5 mEq	10 mEq	1 mEq/kg	50 mEq
	Volume		2 mL	3 mL	5 mL	7.5 mL	10 mL	1 mL/kg	50 mL
	Water		2 mL	3 mL	5 mL	7.5 mL	10 mL	1 mL/kg	50 mL
<b>Vasopressin*</b> Conc = 20 units/mL Administer IV/IO	Dose		2 units	3 units	4 units	6 units	8 units	0.8 units/kg	40 units
	Volume		0.1 mL	0.15 mL	0.2 mL	0.3 mL	0.4 mL	0.04 mL/kg	2 mL

\* Atropine and vasopressin may be administered via ETT at 2 - 2.5 times IV/IO dose.

Defibrillate 2 joules/kg Cardioversion 0.5 joules/kg

Initiated by/Date: \_\_\_\_\_ Rechecked by/Date: \_\_\_\_\_



NOT PART OF PERMANENT RECORD  
DISCARD AFTER DISCHARGE

Patient Name:

Patient Identification #:

**Infant Emergency Drug Reference**  
**Department of Nursing and Patient Services**

# Infant Emergency Drug Reference

## Department of Nursing and Patient Services

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Weight (kg)		2 kg	3 kg	5 kg	7.5 kg	10 kg	Starting Dose
<b>Amiodarone IV infusion</b> Vial conc = 50 mg/mL  Final conc = 1 mg/mL		Add 100 mg (2 mL from 50 mg/mL vial) to 100 mL D5W					
	Starting Infusion rate (mL/hr)	1	1.5	2.5	3.8	5	0.5 mg/kg/hr
	1 mL/hr = (mg/kg/hr)	0.5	0.3	0.2	0.13	0.1	
<b>Dobutamine IV infusion</b> Vial conc = 12.5 mg/mL  Final conc = 1000 mcg/mL		Add 100 mg (8 mL from 12.5 mg/mL vial) to 100 mL D5W or NS					
	Starting Infusion rate (mL/hr)	1.2	1.8	3	4.5	6	10 mcg/kg/min
	1 mL/hr = (mcg/kg/min)	8.3	5.5	3.3	2.2	1.7	
<b>Dopamine IV infusion</b> Premixed bag on cart  Final conc = 800 mcg/mL		Premixed dopamine 800 mcg/mL bag on crash cart					
	Starting Infusion rate (mL/hr)	1.5	2.3	3.8	5.6	7.5	10 mcg/kg/min
	1 mL/hr = (mcg/kg/min)	6.7	4.4	2.7	1.8	1.3	
<b>Epinephrine IV infusion</b> Vial conc = 1 mg/mL  Final conc = 4 mcg/mL*		Add 0.4 mg (0.4 mL from 1 mg/mL vial) to 100 mL D5W or NS					
	Starting Infusion rate (mL/hr)	1.5	2.3	3.8	5.6	7.5	0.05 mcg/kg/min
	1 mL/hr = (mcg/kg/min)	0.03	0.02	0.01	0.009	0.007	
<b>Norepinephrine IV infusion</b> Vial conc = 1 mg/mL  Final conc = 4 mcg/mL*		Add 0.4 mg (0.4 mL from 1 mg/mL vial) to 100 mL D5W or NS					
	Starting Infusion rate (mL/hr)	1.5	2.3	3.8	5.6	7.5	0.05 mcg/kg/min
	1 mL/hr = (mcg/kg/min)	0.03	0.02	0.01	0.009	0.007	
<b>Vasopressin IV infusion</b> Vial conc = 20 units/mL <b>**FOR SHOCK**</b> Final conc = 0.1 units/mL**		Add 10 units (0.5 mL from 20 units/mL vial) to 100 mL D5W or NS					
	Starting Infusion rate (mL/hr)	1.2	1.8	3	4.5	6	1 milliunit/kg/min
	1 mL/hr = (milliunit/kg/min)	0.8	0.6	0.33	0.22	0.17	

\*Epinephrine and norepinephrine 4 mcg/mL standard concentration restricted to emergency preparation only

Use the following equation for drip titrations:

$$\frac{\text{Dose ordered by prescriber}}{1 \text{ mL/hr} = \text{_____ (given in above table)}} \times 1 \text{ mL/hr} = \text{_____ mL/hr to deliver ordered dose}$$

**Example Problem:**

3 kg infant, physician orders epinephrine 0.03 mcg/kg/min

$$\frac{0.03 \text{ mcg/kg/min}}{0.02 \text{ mcg/kg/min}} \times 1 \text{ mL/hr} = 1.5 \text{ mL/hr (new infusion rate to deliver 0.03 mcg/kg/min for a 3 kg infant)}$$