

**CRITICAL VALUES TABLE – MARCH 2008**

<b>Chemistry</b>					
<b>Tests</b>	<b>Adult Values</b>		<b>Children Values</b>		
	<u>Low</u>	<u>High</u>	<u>Children Age Range</u>	<u>Low</u>	<u>High</u>
Magnesium (mg/dL)	≤ 0.6	≥ 8	0-12 yrs	≤ 0.6	≥ 5
Phosphorous (mg/dL)	≤ 1	≥ 10			
Sodium (mmol/L)	≤ 120	≥ 160			
Potassium (mmol/L)	≤ 2.5	≥ 6.5	≥ 1 yr-12 yr	≤ 2.7	≥ 6.5
Potassium (mmol/L)			≤ 1 yr		≥ 7.0 (non-capillary specimen)
Potassium (mmol/L)			≤ 1 yr		≥ 7.5 (capillary specimen)
Glucose (mg/dL)	≤ 50	≥ 500	≥ 6 D-12 yr	≤ 50	≥ 300
Calcium (mg/dL)	≤ 6	≥ 14			
Arterial Ph (units)	≤ 7.2	≥ 7.6			
Arterial pCO <sup>2</sup> (mmHg)	≤ 20	≥ 70			
Arterial Po <sup>2</sup> (mmHg)	≤ 40				
Osmolality (mOsm/kg)	≤ 250	≥ 323			
Ionized Calcium (mmol/L)	-		0-12 yrs	≤ 0.78	≥ 1.57
CO <sub>2</sub> (mmol/L)			0-12 yrs	≤ 10	≥ 40
Bun (mg/dl)			0-12 yrs		≥ 40
Creatinine (mg/dl)			0-12 yrs		≥ 2
Bilirubin (Total) (mg/dl)			0-12 yrs		≥ 15
Chloride (mmol/L)			0-12 yrs	≤ 85	≥ 120
<b>Therapeutic Drugs</b>					
<b>Tests</b>	<b>Adult Values</b>		<b>Children Values</b>		
	<u>Low</u>	<u>High</u>	<u>Children Age Range</u>	<u>Low</u>	<u>High</u>
Acetaminophen (mcg/mL)		≥ 150	0-12 yrs		≥ 50
Carbamazepine (mcg/mL)		≥ 18.0			
Digoxin (ng/mL)		≥ 2.5			
Ethyl alcohol (mg/dL)		≥ 200			
Ethylene glycol (mg/dL)		≥ 20			
Gentamicin, Trough (mcg/mL)		≥ 4.0			
Isopropyl alcohol (mg/dL)		≥ 50			
Lidocaine (mcg/mL)		≥ 6.0			
Lithium (mmol/L)		≥ 2.0			
Methyl alcohol (mg/dL)		≥ 50			
NAPA (mcg/mL)		≥ 30.0			
Pentobarbital (mcg/mL)		≥ 10.0			
Phenobarbital (mcg/mL)		≥ 55.0			
Phenytoin (mcg/mL)		≥ 25.0			
Procainamide (mcg/mL)		≥ 12.0			
Salicylate (mg/dL)		≥ 30.0			
Theophylline (mcg/mL)		≥ 20.0			
Tobramycin, Trough (mcg/mL)		≥ 4.0			
Valproic Acid (mcg/mL)		≥ 140			
Vancomycin, Trough (mcg/mL)		≥ 20.0			

<b>Hematology / Coagulation</b>					
<b>Tests</b>	<b>Adult Values</b>		<b>Children Values</b>		
	<i>Low</i>	<i>High</i>	<i>Children Age Range</i>	<i>Low</i>	<i>High</i>
Hemoglobin (gm/dl)	≤ 5		≤ 1m	≤ 10	≥ 23.0
Hemoglobin (gm/dl)			≥ 1 m-12 yr	≤ 8	
WBC (k/mm <sup>3</sup> )	≤ 2000	≥ 50000		≤ 2000	≥ 50000
Hematocrit (%)	≤ 15	≥ 70	≤ 1 m	≤ 30	≥ 70
Platelet (K/CMM)	≤ 30	≥ 2000	≤ 1 m	≤ 50	≥ 2000
PT (SEC)	≤ 5	≥ 46			
INR			0-12 yr		≥ 5
APTT (SEC)	≤ 10	≥ 100			
<b>Microbiology</b>					
<b>Tests</b>	<b>Adult Values</b>		<b>Children Values</b>		
Blood Culture	Positive/Growth				
CSF Gram Stain	Positive/Organisms Seen				
CSF Culture	Positive/Growth		0-12 yr	Positive/Growth	
Malaria Smear	Positive/Parasites Seen				
Urine Culture			0-2 Months	Positive	
Vanco Resistant Enterococcus (VRE)	When detected				
Vanco Intermediate Staph AUREUS (VISA)	When detected				
Vanco Resistant Staph AUREUS (VRSA)	When detected				