

## CRITICAL VALUES TABLE

### CHEMISTRY

Analyte	Age <sup>1</sup>	Low	High
Bilirubin, Total	≤ 2 months		≥ 15.0 mg/dL
Calcium, Total	All	≤ 6.5 mg/dL	≥ 13.0 mg/dL
Calcium, Ionized	All	≤ 0.8 mM/L	> 1.55 mM/L
Glucose	≤ 30 days	≤ 35 mg/dL	≥ 200 mg/dL
	> 30 days	≤ 40 mg/dL	≥ 500 mg/dL
Magnesium	All	≤ 1.0 mg/dL	≥ 6.0 mg/dL
Osmolality	All	≤ 190 mOsm/kg	≥ 390 mOsm/kg
Phosphorous	All	≤ 1.0 mg/dL	
Potassium	≤ 30 days	≤ 2.5 mEq/L	≥ 6.5 mEq/L
	> 30 days	≤ 2.7 mEq/L	≥ 6.2 mEq/L
Sodium	All	≤ 120 mEq/L	≥ 160 mEq/L

### HEMATOLOGY and COAGULATION

Analyte	Age <sup>1</sup>	Low	High
Hemoglobin	≤ 12 years	≤ 7.0 gm/dL	≥ 22.5 gm/dL
	> 12 years	≤ 6.0 gm/dL	
Hematocrit	All	≤ 21 %	
Neutrophils, Absolute	All	< 0.40 tho/cmm	
Platelet Count	All	≤ 40 tho/cmm	≥ 1000 tho/cmm
WBC	All	≤ 1.0 tho/cmm	≥ 50.0 tho/cmm
Fibrinogen	All	≤ 99 mg/dL	
INR, PT (Prothrombin Time)	All		≥ 5.0
Partial Thromboplastin Time (PTT)	All		≥ 150 seconds

### CLINICAL TOXICOLOGY and TDM's

Analyte	Age <sup>1</sup>	High
Acetaminophen	All	≥ 50 mg/L
Carbamazepine, Total	All	≥ 20 mg/L
Carboxyhemoglobin (Carbon Monoxide)	All	≥ 12 % of total hemoglobin
Digoxin	All	≥ 2.5 mcg/L
Ethanol	All	≥ 300 mg/dL
Gentamicin, Trough	All	> 2.0 mg/L
Lithium	All	≥ 2.1 mEq/L
Methemoglobin	All	≥ 5 %
Phenobarbital	All	≥ 60.0 mg/L
Phenytoin	All	≥ 35.0 mg/L
Phenytoin, Free	All	≥ 3.5 mg/L
Salicylates	All	≥ 400 mg/L
Theophylline	All	≥ 25 mg/L
Tobramycin, Trough	All	> 2.0 mg/L
Valproic Acid	All	≥ 150 mg/L
Vancomycin, Trough	All	≥ 40.0 mg/L

### MICROBIOLOGY

Analyte	Criteria
Acid Fast	Stains and Cultures: All positive stains and all positive cultures, preliminary and confirmed M. Tuberculosis
Cryptococcus, antigen, Serum or CSF	Positive
Cryptococcus culture	Positive
Culture Reports	1. Positive Blood, CSF and sterile body cavity (i.e. pleural fluid, joint fluid, abdominal cavity, tissues, etc.) cultures. 2. Positive cultures from blood units or platelet packs.
GMS for Pneumocystis carinii	Positive
Gram Stains	Positive Blood, CSF and sterile body cavity (i.e. pleural fluid, joint fluid, abdominal cavity, tissues, etc.) gram stains.
Influenza Antigen, A and B	Positive