

## CRITICAL VALUES TABLE

Test	Critical Value	Normal Range	
APTT (PTT)	>120 sec	24 -35 sec	
Acetaminophen	>150 mcg/mL	0 - 25 mcg/mL	
Bilirubin, Neonatal (Age <30 days)	>18.0 mg/dL	0.00 - 16.99	
Blasts, any	Send for path review	0 cells/mm <sup>3</sup>	
CK Creatinine Kinase	>10,000 U/L	Female 24 - 173 Male 24 - 204	
tCO <sub>2</sub>	≤10 mmol/L	22 - 29 mmol/L	
CSF Cell Count >1 month	>10 WBC/uL	0 - 5 WBC/uL	
Calcium	<6.0 or >12.0 mg/dL	8.6 - 10.0 mg/dL	
Carbamazepine	>20 mcg/mL	6.0 - 12.0 mcg/mL	
Digoxin	>2.5 ng/mL	0.6 - 1.2ng/mL	
Fibrinogen	<100 mg/dL	200 - 393 mg/dL	
Gentamicin	Trough: >2.5 mcg/mL Peak/Random: >12.0 mcg/mL	0.0 - 1.9 mcg/mL 4.0 - 10.0 mcg/mL	
Glucose	<50 or >400 mg/dL	74 - 100 mg/dL	
Glucose Age <1 year	<50 or >300 mg/dL	40 - 80 mg/dL	
Glucose Urine (newborns)	Any Positive	Negative	
Hematocrit	Age (>1 mo)	Low <20% High -	34.8 - 45.0 %
	Newborn (≤1 mo)	<24% >65%	45.0 - 63.0 %
		Low <6.5 g/dL High -	11.5 - 15.0 g/dL
Hemoglobin	Age (>1 mo)	<6.5 g/dL >22.0 g/dL	10.0 - 13.5 g/dL
	Newborn (>1 mo to ≤1 yr)	<6.5 g/dL >24.0g/dL	14.5 - 20.5 g/dL
	Newborn (≤1 mo)	<6.5 g/dL >24.0g/dL	0.9 - 1.3
INR, Prothrombin Time	≥5.0	0.9 - 1.3	
Lactate	>3.9 mmol/L	0.5 - 2.2 mmol/L	
Lithium	>2.0 mmol/L	0.60 - 1.20 mmol/L	
Magnesium	≤1.0 or ≥8.0 mg/dL	1.60 - 2.60 mg/dL	
Malaria Smear	Suspected Malaria or Suspected Filaria	Negative	
Neutrophil count, Absolute	<1,000/mm <sup>3</sup>	42.7 - 72.2 %	
Phenobarbital	>60 mcg/mL	15.0 - 40.0 mcg/mL	
Phenytoin	>40 mcg/mL	10.0 - 20.0 mcg/mL	
Phosphorus	<1.0 mg/dL	2.5 - 4.5 mg/dL	
Platelet count	<50,000/mm <sup>3</sup>	New finding only compared to last value	150 - 400 k/uL
	<20,000/mm <sup>3</sup>	Always call	
Potassium (K)	<3.0 or >6.0 mmol/L	3.3 - 5.0 mmol/L	
Salicylate	>30 mg/dL	0 - 30 mg/dL	
Sodium (Na)	<125 or >155 mmol/L	136 - 145 mmol/L	
Theophylline	>25 mcg/mL	10.0 - 20.0 mcg/mL	
Tobramycin	Trough: >2.5 mcg/mL	0.0 - 1.9 mcg/mL	
	Peak/Random: >10.0 mcg/mL	0.0 - 10.0 mcg/mL	
Troponin I	≥ 0.04 ng/mL	0.00 - 0.039 ng/mL	
Valproic Acid	>200 mcg/mL	50 - 125 mcg/mL	
Vancomycin (Peak, Trough, Random)	>80 mcg/mL	5.0 - 40.0	
WBC Count (>1 month)	<2,000 or >30,000/mm <sup>3</sup>	New finding only compared to last value	4.00 - 11.00 k/uL
WBC Count (≤1 month)	<5,000 or >30,000/mm <sup>3</sup>	Always call	9.0 - 30.00 k/uL

### Qualitative or NonNumeric Critical Values

Any positive gram stain, fungal stain, cryptococcal antigen or positive culture result on CSF.

Any positive gram stain or culture result from a blood culture.

Any positive gram stain or fungal stain from a normally sterile body fluid specimen.

Any positive culture from a normally sterile body fluid specimen.

Definitive identification of any culture isolate considered potentially life-threatening or designated select agent, ie. Brucella, Francisella.

Positive Shiga toxin EIA result from a patient <18 or >62 years old.

Any intracellular or extracellular blood parasite.

For Hematology stained slides, any neutrophages with phagocytosed (intracellular) microorganisms (bacteria, yeast, etc) found in a normally sterile body fluid, ie CSF, synovial, serous, amniotic, and/or blood specimen. (reported when present in neutrophils only).

Any "No clot detected" result for prothrombin time of activated partial thromboplastin time (aPTT).

Any positive HSV result on CSF