

### CRITICAL LABORATORY VALUES

Outreach Patients

September 15, 2021

TEST	UNIT OF MEASURE	CRITICAL VALUE
<b>CHEMISTRY</b>		
Acetaminophen	mcg/ml	>100
Bilirubin, Total (<2 month old patient)	mg/dL	>15.0
Calcium (Total)	mg/dL	<6.0 or >13.0
Carbamazepine	mcg/ml	>20
Digoxin	ng/ml	>3.0
Fetal Fibronectin	-	All positives
Gentamicin Random	mcg/ml	>12
Gentamicin Peak	mcg/ml	>12
Gentamicin Trough	mcg/ml	>2
Glucose (plasma/serum)	mg/dL	<50 or >500
Glucose, Tolerance Test (last timepoint)	mg/dL	>600
Lithium	mmol/L	>2.0
MB	ng/ml	>10.0
Magnesium	mg/dL	<1.0 or >5.0
Phenobarbital	mcg/ml	>60
Phenytoin (Dilantin), Free	mcg/ml	>3.0
Phenytoin (Dilantin), Total	mcg/ml	>40
Phosphorus	mg/dL	<1.1
Potassium (non-dialysis patient)	MEQ/L	<2.0 or >6.5
Potassium (dialysis patients)	MEQ/L	<2.0 or >7.5
Salicylate	mg/dL	>30
Sodium	MEQ/L	<120 or >160
Theophylline	mcg/ml	>40
Troponin T (5th generation)	ng/L	>/= 100
Valproic Acid	mcg/ml	>150
Vancomycin Peak	mcg/ml	>80
Vancomycin Random	mcg/ml	>80
Vancomycin Trough	mcg/ml	>80
<b>HEMATOLOGY &amp; COAGULATION</b>		
WBC	10 <sup>3</sup> /uL	<0.5 or >100.0
Absolute Neutrophils	K/mm <sup>3</sup>	<0.5
Organisms in Blood Smear	-	Intracellular organisms
Hemoglobin >12 years	g/dL	<6.0
Hemoglobin <12 years	g/dL	<7.0 or >22.5
Platelet count	10 <sup>3</sup> /uL	<20 or >1500
INR	-	>5.0
APTT	sec	>60.0
Anti-Factor Xa, UFH	IU/mL	>1.00
Fibrinogen	mg/dL	<75
Factor Activity	%	<20
Heparin Induced Platelet Antibody (HIPA)	-	Positive
ADAMTS13	%	<10

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INFECTIOUS DISEASE		
Smears and Rapid Tests	Cultures	Molecular
Positive CSF Gram Stain	Positive Blood Cultures	Positive CSF Molecular Test
Positive Joint Fluid Gram Stain	Positive CSF Cultures	Positive Bordetella pertussis PCR
Positive Sterile Body Fluid Gram Stain	Isolation of Mycobacterium tuberculosis	Positive M. tuberculosis PCR
Positive Tissue Gram Stain	Positive AFB Culture	Positive Group B Strep (Maternal)
Positive Cryptococcal Antigen on CSF	Positive Group B Strep Culture: Maternal	
Positive AFB Smear	Listeria	
Positive Malaria Smear	Clostridium perfringens (any source)	
Positive Streptococci Group A	Zygomycete	
Positive Pneumocystis DFA	Positive Cornea Cultures	
RAPID/STAT HIV- any result	Positive for Bioterrorism Agents: Bacillus anthracis, Brucella sp., Francisella tularensis, Burkholderia pseudomallei, Yersinia pestis	

#### REVISIONS

Value	Change	Rationale
INR >8.0	>5.0	Match hospital critical value level; catch bleeding tendency in patients
Sodium <115	<120	Match hospital critical value level; Detect hyponatremia
Sodium >170	>160	Match hospital critical value level; Detect hypernatremia

#### APPROVALS

CompuNet Medical Director Committee: July 21, 2021