

Values are based on best practice laboratory standards and approved by CompuNet Medical Directors.

CRITICAL VALUES TABLE—JUNE 13, 2020 (Non-hospitalized patients)

TEST	UNIT OF MEASURE	CRITICAL VALUE
CHEMISTRY		
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	<115 or >170
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

CRITICAL VALUE APPROVALS

CompuNet Medical Director Meeting: March 18, 2020

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HEMATOLOGY & COAGULATION		
WBC	10 ³ /uL	<0.5 or >100.0
Absolute Neutrophils	K/mm ³	<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 ³ /uL	<20 or >1500
INR		>8.0
APTT	sec	>60.0
Anti-Factor Xa, UFH	IU/mL	>1.00
Fibrinogen	mg/dL	<75
Factor VIII	%	<1.0
Factor IX	%	<1.0
Heparin Induced Platelet Antibody (HIPA)		Positive
ADAMTS13	%	<10
INFECTIOUS DISEASES		
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 Coronavirus-19 PCR
Positive AFB Smear	Listeria	
Positive Malaria Smear	Clostridium perfringens (any source)	
Positive KOH	Zygomycete	
Positive Streptococci Group A	Positive Cornea Cultures	
Positive Pneumocystis DFA	Positive for Bioterrorism Agents: Bacillus anthracis, Brucella sp., Francisella tularensis, Burkholderia pseudomallei, Yersinia pestis	
RAPID/STAT HIV- any result		

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