



CHEMISTRY

TEST	CRITICAL VALUE(S)	UNITS
Bilirubin, Total	≥15.0	mg/dL
BNP	≥200	pg/mL
NT-Pro-BNP	not established	pg/mL
BUN	≥100	mg/dL
Calcium	≤6.0 ≥13	mg/dL
CO2	≤10 >40	mEq/L
CPK	≥501	U/L
Creatinine	>8.0	mg/dL
D-Dimer	≥0.5	ug/mL
Glucose	≤40 ≥500	mg/dL
Magnesium	<1.0 >5.0	mg/dL
Phosphorus	≤1.0 ≥9.0	mg/dL
Potassium	≤2.8 ≥6.2	mEq/L
Sodium	≤120 ≥160	mEq/L
Troponin I	≥0.05	ng/mL
Uric Acid	≥13.0	mg/dL
Lactic Acid	≥5.01	mmol/L
Lactic Acid	≥45.1	mg/dL

HEMATOLOGY / COAGULATION

TEST	CRITICAL VALUE(S)	UNITS
Hemoglobin (Hgb)	≤7.0 ≥21.0	g/dL
Platelet Count	≤20 ≥1000	K/cmm
WBC	≤2.0 ≥40.0	/cmm
INR	>4.0	
PTT	>100	seconds



MICROBIOLOGY		
TEST	CRITICAL VALUE(S)	UNITS
Bacillus anthracis, culture, nucleic acid or antigen test	Positive	
AFB culture, smear	Positive	
Blood Cultures	Positive	
Brucella sp., culture, nucleic acid or antigen test	Positive	
C-Diff Ag/PCR	Both Positive	
C-Diff Ag/Toxin	Both Positive	
Cryptococcus antigen, serum or CSF	Detected	
CSF Culture	Positive	
CSF Gram Stain	Positive	
CSF WBC	≥21	/μL
Culture: blood, CSF, any tissue or sterile body fluid (excluding urine)	Prelim: Positive any organism	
Francisella tularensis, culture, nucleic acid, or antigen test	Positive	
GC Culture	Positive	
Gram or other stain of direct specimen or antigen detection (<i>blood, CSF, sterile body fluid</i>)	Positive for any micro-organism	
Group A Strep	Positive	
Group B Strep Vag	Positive	
Malaria parasites or other organisms (<i>Babesia, Ehrlichia, Trypanosomes</i>)	Positive for verified <i>P.faci-parum</i> or unidentified “ <i>Plasmodium species</i> ”	
MRSA Culture	Positive	
Mycobacteria all sp., stain or Direct specimen nucleic acid test for <i>M tuberculosis</i> , initial detection	Positive	
Nucleic acid detection (<i>blood, CSF, sterile body fluid</i>), qualitative FIRST DETECTION ONLY	Positive for any micro-organism except HBV, HCV, HIV	
RSV antigen	Positive	
Stool Pathogen, Any	Positive	
Ureaplasma urealyticum, culture, respiratory	Positive (<1 year of age)	
Viral PCR for Enterovirus or HSV, Quant, CSF	Detected	
VRE Culture	Positive	
Yersinia pestis, culture, nucleic acid, or antigen test	Positive	



TOXICOLOGY

TEST	CRITICAL VALUE(S)	UNITS
Acetone	> 50	mg/dL
Amitriptyline + Nortriptyline total	> 1000	ug/L
Amobarbital	> 20.0	mg/L
Butalbital	> 10.0	mg/L
Cadmium, 24hr Urine	> 10.0	ug/L
Cadmium, Blood	> 30.0	ug/L
Caffeine	> 50.0	mg/L
Carbamazepine (Tegretol)	> 18.0	ug/mL
Carboxyhemoglobin	> 20	% of total Hgb
Chlorpromazine	> 750	ng/mL
Clomipramine and Metabolite, total	> 600	ng/mL
Cobalt, Blood	> 400	ug/L
Cyanide	> 1.0	mg/L
Cyclosporine, Trough	> 600	ug/L
Desethylamiodarone	> 2.5	ug/mL
Desipramine	> 600	ug/L
Diazepam and Nordiazepam, total	> 3.0	mg/L
Digitoxin	> 45	ug/L
Digoxin	≥2.5	ng/mL
Dilantin	≥30.0	ug/mL
Disopyramide	> 7.0	mg/L
Doxepin + Nordoxepin, total	> 600	ug/L
Ethanol	> 250	mg/dL
Ethosuximide	> 150	mg/L
Ethylene glycol	> 100	mg/L
Flecainide	> 1.0	mg/L
Fluphenazine	> 50	ug/L
Gentamicin, Peak	≥12.0	ug/dL
Gentamicin, Trough	≥2.0	ug/dL
Ibuprofen	> 100	mg/L
Imipramine or Desipramine, total	> 600	ug/L
Isopropanol	> 50	mg/dL
Lead, blood	> 45 (<18 years of age)	ug/dL
Lidocaine	> 6.0	mg/L
Lithium	>2.0	mEq/L



TOXICOLOGY

TEST	CRITICAL VALUE(S)	UNITS
Mephobarbital	> 60.0	mg/L
Mercury, Urine, 24 hr	> 150	ug/L
Mercury, Urine, Random	> 150	ug/g creatinine
Methanol	> 5	mg/dL
Methemoglobin	> 70.0	% of total Hgb
Methotrexate at 24 h	> 5.00	umol/L
Methsuximide (Normethsuximide)	> 40.0	mg/L
Mexiletine	> 5.0	mg/L
Mycophenolic Acid	< 0.5	ug/mL
Nortriptyline	> 500	ug/L
Phenobarbital	≥50.0	ug/mL
Primidone	≥15	ug/mL
Procainamide	> 14.0	mg/L
Procainamide + NAPA total	> 30.0	mg/L
Propafenone	> 2.0	mg/L
Protriptyline	> 500	ug/L
Quinidine	> 10.0	mg/L
Salicylate	≥ 30.1	mg/dL
Sirolimus (Rapamycin)	< 3.0	ug/L
Tacrolimus (FK 506)	< 3.0	ug/L
Thallium, Blood	> 80	ug/L
Thallium, Urine, 24 hr	> 200	ug/L
Theophylline	≥21.0	ug/mL
Tobramycin, Peak	≥12.0	ug/mL
Tobramycin, Trough	≥2.1	ug/mL
Valproic Acid	≥125	ug/mL
Vancomycin, Peak	≥80.0	ug/mL
Vancomycin, Trough	≥20.0	ug/mL