

Physician Notification Critical Value List

Test Name	Panic Value	
	Lower	Upper
Acetaminophen, Serum		>150 µg/mL
Alcohol, Blood		>0.349 g/dL
Ammonia, Blood <10 years Adults		>39 µmol/L >75 µmol/L
Anti-Xa, Heparin		>1.8 IU/mL
Bilirubin, Neonatal 0-2 months		>15.0 mg/dL
Bilirubin, Total, Plasma or Serum 0-6 days		>15.0 mg/dL
Calcium, Plasma	<6.0 mg/dL	>14.0 mg/dL
Carbon Dioxide (CO ₂), Plasma	<12 mEq/L	>40 mEq/L
Cell Count, Spinal Fluid		>9 WBC/µL
Chloride, Plasma	<70 mEq/L	>130 mEq/L
Digoxin, Plasma		>3.0 ng/mL
Dilantin, Plasma Toxic		>30 µg/mL >40 µg/mL
Fibrinogen Degradation Products (FDP), Blood		>160 µg/mL
Fibrinogen, Plasma	<100 mg/dL	
Gentamicin, Peak, Plasma		>9.9 µg/mL
Gentamicin, Trough, Plasma		>2.5 µg/mL
Glucose, Plasma <2 months ≥2 months	<40 mg/dL <50 mg/dL	>300 mg/dL >400 mg/dL
Glucose, Post-Prandial, Plasma	<45 mg/dL	>400 mg/dL
Glucose Tolerance Test (GTT), 1 Hour, Plasma	<45 mg/dL	>400 mg/dL
Hematocrit, Blood <1 day 1-14 days 14 days-10 years 10 years-17 years >17 years	<24% <24% <24% <24% <18%	>70% >72% >70% >60% >60%
Hemoglobin, Blood 0 days-12 years 12-81 years	<8.0 gm/dL <6.0 gm/dL	>25.0 gm/dL >20.0 gm/dL

Test Name	Panic Value	
	Lower	Upper
Hepatitis A Antibody, IgM, Plasma		Positive*
Hepatitis B Core Antibody, IgM, Plasma		Positive
Hepatitis B Surface Antigen, Plasma		Positive
HIV 1/2 Antibody, Plasma or Serum		Positive
Influenza A and B Virus Rapid Antigen		Positive
Iron, Total, Plasma		>499 µg/mL
Lactic Acid, Blood		>3.2 mmol/L
Lactic Acid, Spinal Fluid <3 days 3-10 days >10 days		>6.8 mEq/L >4.5 mEq/L >3.2 mEq/L
<i>Legionella</i> Antigen, Urine		Positive*
Lithium, Serum		>2.0 mmol/L
Magnesium, Plasma	<1.1 mg/dL	>7.0 mg/dL
Methotrexate, Serum		>5.0 mcm/L (24 hours past last dose)
Partial Thromboplastin Time (PTT), Heparin Neutralized, NICU Only, Plasma		>149.9 seconds
Partial Thromboplastin Time (PTT), Plasma		>149.9 seconds
Phenobarbital, Plasma		>60.0 µg/mL
Platelet Profile, Blood	<50,000/mm ³	>1,000,000/mm ³
Potassium, Plasma ≤1 month 2 months-<1 year ≥1 year	<2.5 mEq/dL <2.5 mEq/dL <2.5 mEq/dL	>7.0 mEq/dL >6.2 mEq/dL >6.2 mEq/dL
Prothrombin Time (PT), Plasma INR		>43.9 seconds >3.99
Salicylate, Plasma Lethal		>30.0 mg/dL >60.0 mg/dL
Sodium, Plasma <1 month ≥1 month	<126 mEq/L <120 mEq/L	>155 mEq/L >155 mEq/L
Tegretol (Carbamazepine), Quantitation, Serum		>20 µg/mL
Theophylline (Aminophylline), Plasma		>20.0 µg/mL
Tobramycin, Peak, Plasma		>10 µg/mL
Tobramycin, Trough, Plasma		>2.5 µg/mL
Troponin I, Plasma		>0.5 ng/mL
Note: *Denotes tests that require immediate report to State Infection Control.		

Test Name	Panic Value	
	Lower	Upper
Urinalysis, Complete Newborns		Greater than or equal to trace for glucose, ketones, or reducing substances
Vancomycin, Peak, Plasma		>55 µg/mL
Vancomycin, Trough, Plasma		>20 µg/mL
Volatile Screen, Blood Acetone Isopropanol Methanol		>250 mg/dL >150 mg/dL >40 mg/dL
Western Blot	Confirmed positive or indeterminant	

Microbiology	
Test Name	Panic Value
Acid-Fast Smear	Positive
Body Fluid-Sterile Site For Clinical Significance Pathogenic Bacteria	Positive
<i>Bordetella pertussis</i>	Positive
<i>Campylobacter</i>	Positive*
<i>Clostridium difficile</i>	Positive
<i>Clostridium perfringens</i> from Wound	Any isolated*
Cryptococcal Antigen Test	Positive
Culture, Acid-Fast	Positive
Culture, Blood	Positive
Culture, Spinal Fluid	Positive
Culture, <i>Vibrio</i> , Stool	Positive*
Culture, Virus (0-6 months of age)	Positive
Diphtheria (not initial culture)	Positive*
Diphtheria (on initial culture)	Positive
Direct Viral Stains	Positive
<i>E. Coli</i> O157:H7 (Screen)	Positive*
FTA	Positive
Fungus (Systemic Isolate)	Positive*
Gram Stain, Blood	Positive
Gram Stain, Spinal Fluid	Positive
Influenza A and B Antigen	Positive
<i>Legionella</i> Urine Antigen	Positive*
<i>Neisseria meningitidis</i>	Positive
Note: *Denotes tests that require immediate report to State Infection Control.	



Microbiology (Cont.)	
Test Name	Panic Value
<i>Salmonella</i>	Positive*
<i>Shigella</i>	Positive*
Smear, Spinal Fluid	Positive
<i>Staphylococcus</i> (Vancomycin Resistant)	Positive
Note: *Denotes tests that require immediate report to State Infection Control.	