



Hunterdon Medical Center Laboratory Critical Values

The test results included in this list have been deemed critical to patient treatment and will be called by the medical technologist as soon as the result is available. The result must be given to a licensed care giver and the technologist will record the name of the person contacted as well as request a read back of the information.

Results will be called within 15 minutes of being determined, 24 hours per day, 7 days per week.

Core Laboratory: Chemistry & Hematology

Test Name	Critical Low	Critical High	Units
Acetaminophen		≥150	µg/mL
Alcohol		≥400	mg/dL
Bilirubin (0-1 day)		≥8.0	mg/dL
Bilirubin (2-3 days)		≥13.0	mg/dL
Bilirubin (3-5 days)		≥17.0	mg/dL
Bilirubin (5-30 days)		≥15.0	mg/dL
Blasts, first time		≥5	%
Blood Parasite		First Positive	
Calcium	≤6.0	≥13.0	mg/dL
Carbamazepine		≥20.0	µg/mL
Carbon Dioxide (CO ₂)	<10	>40	mmol/L
Creatinine		≥7.4	mg/dL
D-dimer		≥501	ng{FEU}/mL
Digoxin		≥2.5	ng/mL
Dilantin(Phenytoin)		≥40	µg/mL
Fibrinogen	≤90		mg/dL
Gentamycin, Trough		≥2.0	µg/dL
Gentamycin, Peak		≥12.0	µg/dL
Glucose	≤60	≥500	mg/dL
Glucose, POC	≤60	≥500	mg/dL
Hemoglobin	≤7.0	≥20.0	g/dL
Lactate		≥4.0	mmol/L
Lithium		≥2.0	mmol/L
Magnesium	≤1.0	≥4.9	mg/dL
pCO ₂	≤20	≥70	mmHg
pH	≤7.21	≥7.60	
Phosphorus	≤1.0		mg/dL
Platelets	≤20,000	≥1,000,000	mm ³
pO ₂	≤55		mmHg
Potassium	≤2.5	≥6.5	mmol/L
PT/INR (INR)		INR ≥5.0	
PTT		≥100	sec
Salicylate		≥40	mg/dL
Sodium	≤120	≥160	mmol/L
Troponin-T HS		>52	ng/L
Valproic Acid		≥200	µg/mL
Vancomycin, Peak		≥40.0	µg/mL
Vancomycin, Trough		≥23.0	µg/mL
WBC	≤2,000	≥40,000	mm ³

Microbiology

Critical Result

Blood Culture	Positive
Body Fluid Culture	Positive
Cerebrospinal Fluid Culture	Positive
Eye Culture	Positive
AFB Smear only, not culture	Positive
Meningitis/Encephalitis Panel/CSF	Positive-> Pathogen detected

Transfusion Service Event/Occurrence

Result

RBC, Platelets or other products

Incompatible or unavailable products.
Evidence of hemolytic transfusion reaction

Transfusion Reaction