

## 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/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 <sub>2</sub> )	<10	>40	mmol/L
Creatinine		≥7.4	mg/dL
D-dimer	0-50 yrs Value increases by 50ng{FEU}/mL every 5 years until 86 yrs.	≥500 Upper Limit after 86 yrs ≥900	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 (1mo-Adult)	≤7.0	≥20.0	g/dL
Hemoglobin (<1month)	≤10.0	≥25.0	g/dL
Lactate		≥4.0	mmol/L
Lithium		≥2.0	mmol/L
Magnesium	≤1.0	≥4.9	mg/dL
pCO <sub>2</sub>	≤20	≥70	mmHg
pH	≤7.21	≥7.60	
Phosphorus	≤1.0		mg/dL
Platelets	≤20,000	≥1,000,000	mm <sup>3</sup>
pO <sub>2</sub>	≤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 <sup>3</sup>

<b>Microbiology</b>	<b>Critical Result</b>
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-> <b>Pathogen detected</b>

<b>Transfusion Service</b>	<b>Result</b>
<b>Event/Occurrence</b>	
RBC, Platelets or other products	Incompatible or unavailable products.
Transfusion Reaction	Evidence of hemolytic transfusion reaction