

**Critical Results:**

Critical test results are reported to a licensed caregiver within 30 minutes.

<b>Test</b>	<b>Units</b>	<b>Critical Value(s)</b>	<b>Age</b>
Acetaminophen Blood	ug/mL	> 30	Unspecified
Activated Partial Thromboplastin Time	Seconds	> 60.0 ≥ 160.0	< 18Y ≥ 18Y
Ammonia	μmol/L	> 108	<18Y
Base Excess Arterial Cord	mmol/L	< -10.0	Unspecified
Base Excess Venous	mmol/L	< - 10.0	Unspecified
Base Excess Venous Cord	mmol/L	< -10.0	Unspecified
Bicarbonate Arterial	mmol/L	< 8 ≤ 12 or ≥ 40	< 18 Y ≥ 18 Y
Bicarbonate Capillary	mmol/L	< 8	Unspecified
Bilirubin Total Cord Blood	mg/dL	> 4.0	Unspecified
Bilirubin Total Neonatal	mg/dL	> 14.6 > 16.0 > 18.0	36-48 H 49-72 H 73 H – 30 D
Blast Cells – Manual Diff	%	> 1	< 18Y
Calcium Serum/Plasma	mg/dL	< 6.0 or > 13.0	Unspecified
Carbon Dioxide CO <sub>2</sub>	mmol/L	< 8 ≤ 9 or ≥ 40	< 18 Y ≥ 18 Y
Carboxyhemoglobin (Carbon Monoxide, CO)	%	> 12.0	Unspecified
CK	U/mL	> 10,000	< 18 Y
Digoxin	ng/mL	≥ 3.0	Unspecified
Ethanol Blood	mg/dL	> 10 ≥ 400	< 18Y ≥ 18Y
Fibrinogen	mg/dL	< 100	Unspecified
Gentamicin Peak Gentamicin Random	ug/mL	> 12.0	Unspecified

Gentamicin Trough	ug/mL	> 2.0	Unspecified
Glucose Serum/Plasma	mg/dL	< 40 or > 300	< 18Y
		≤ 50 or ≥ 500	≥ 18Y
Hematocrit	%	< 18 or > 60	Unspecified
Hemoglobin	g/dL	< 6.0 or > 20.0	Unspecified
INR	N/A	> 4.0	< 18Y
		> 5.0	≥ 18Y
Lactate Whole Blood	mmol/L	≥ 4.0	Unspecified
Lithium Serum	mmol/L	> 2.0	< 18 Y
		> 1.5	≥ 18 Y
Magnesium Serum/Plasma	mg/dL	≤ 1.2 or ≥ 6.0	Unspecified
Methemoglobin	%	≥ 3.0	Unspecified
Nucleated Cells, CSF	Cells/uL	> 10	< 18 Y
pCO <sub>2</sub> Arterial	mmHg	< 20 or > 75	< 18Y
		≤ 20 or ≥ 70	≥ 18Y
pCO <sub>2</sub> Capillary	mmHg	< 30 or > 65	Unspecified
pCO <sub>2</sub> Venous	mmHg	< 20 or > 75	< 18Y
		≤ 20 or ≥ 70	≥ 18Y
pH Arterial	N/A	< 7.0 or > 7.6	< 18Y
		≤ 7.2 or ≥ 7.6	≥ 18Y
pH Arterial Cord	N/A	< 7.000	Unspecified
pH Capillary	N/A	< 7.000	Unspecified
pH Venous	N/A	< 7.000	Unspecified
pH Venous Cord	N/A	< 7.000	Unspecified
Phenytoin Total	ug/mL	≥ 30.0	Unspecified
Phosphorus Serum/Plasma	mg/dL	≤ 1.0	Unspecified
Platelet Count	10 <sup>9</sup> /L	< 25 or > 1000	Unspecified

pO <sub>2</sub> Arterial	mmHg	≤ 39	Unspecified
Potassium Serum/Plasma/Whole Blood	mmol/L	< 2.5 or > 6.0	< 18Y
		≤ 2.5 or ≥ 6.4	≥ 18Y
Salicylate Blood	mg/dL	> 30	< 18Y
		≥ 40.0	≥ 18Y
Sodium Serum/Plasma/Whole Blood	mmol/L	< 120 or > 165	< 18Y
		≤ 120 or ≥ 160	≥ 18Y
tCO <sub>2</sub> Arterial	mmol/L	< 9	< 18Y
		≤ 12 or ≥ 40	≥ 18Y
tCO <sub>2</sub> Capillary	mmol/L	< 9	< 18 Y
Triglycerides	mg/dL	≥ 1500	Unspecified
Vancomycin Peak Vancomycin Random	ug/mL	> 45	< 18Y
		≥ 80.0	≥ 18Y
Vancomycin Trough	ug/mL	< 5.0 or > 20.0	< 18Y
		≥ 35.0	≥ 18Y
White Blood Cell Count	10 <sup>9</sup> /L	< 1.5 or > 70.0	Unspecified

<b>Gram Stain Critical Results</b>	
<b>Blood Culture</b>	
Gram stain positive on first bottle for each morphology identified	
Subsequent positive bottle(s) with the same organism(s) drawn on the same day do not require provider notification	
<b>Spinal Fluid (CSF)</b>	
Gram stain or culture positive for any organism	
<b>Sterile Body Fluids</b>	
Gram stain positive from all surgical specimens and from any of the following sources:	
amniotic	pericardial
eye vitreous	pleural
peritoneal or ascites	synovial
<b>Sterile tissues</b>	
Gram stain positive from all surgical specimens and from any of the following sources:	
brain	eye
heart	spinal cord
epidural	
<b>Blood products associated with transfusion</b>	
Positive gram stain or culture positive	
*Blood bank medical director, pathologist on-call, or designee is notified for positive gram stain or culture	