

CRITICAL LABORATORY VALUES LIST

Critical laboratory values are defined by a medical director(s) as values indicating that the patient's physician, advanced practice provider or responsible member of the patient's care team needs to intervene immediately. The following tests results are considered critical lab values and will be called immediately (n/a = not applicable).

If no age group is specified, the values listed belong to all age groups. Age groups are defined as follows:

- Neonatal: Less than 30 days old
- Pediatric: 30 days to 16 years old
- Adults: More than 16 years old (unless otherwise noted)

Applies to CDH and Delnor				
Analytes	Age Group	Critical Low	Critical High	Units
Acetaminophen		n/a	>140	ug/mL
Alcohol (ETOH)		n/a	>400	mg/dL
Ammonia		n/a	>67	umol/L
Anti Xa, Unfractionated Heparin		n/a	>1.4	IU/mL
Bicarbonate (CO2)	Adult/Peds	<10	>40	mmol/L
	Neonatal	<15	>40	mmol/L
Blasts			>20	%
Blood Cultures		First Positive Smears		n/a
Calcium	Adult/Peds	<6.0	>13	mg/dL
	Neonatal	<6.0	>12	mg/dL
Clostridium Perfringens		Gram Stains and Isolates (from sites not contaminated with normal bowel flora)		n/a
Creatinine	Neonatal	n/a	>2.0	mg/dL
CSF Gram Stain		Positive		
CSF Cryptococcus Antigen		Positive		
CSF Culture		Positive		
Culture	Neonatal	Any Positive Results Including Urine >1,000 Colonies		
Digoxin		n/a	>2.5	ng/dL
Dilantin (Phenytoin)		n/a	>30	ug/mL
Fetal Fibronectin		Positive		
Fibrinogen		<100	n/a	mg/dL
Glucose	Adult/Peds	<50	>500	mg/dL
	Neonatal	<30	>200	mg/dL
Hematocrit, Neonatal	0-24 hours	<35.0	>65.0	%
	>24 hours - < 90 days	<25.0	>70.0	%
Hemoglobin	Adult/Peds	<7.0	>20.0	gm/dL
	< 90 days	<9.0	>25.0	gm/dL
HIPA – Serotonin Release		Positive		
Intraocular Surgical Eye Specimens		Positive Gram Stains and Isolates		
Lactic Acid		n/a	>4.0	mmol/L
Lithium		n/a	>1.5	mmol/L
Magnesium		<1.0	>4.9	mg/dL

Applies to CDH and Delnor (continued)

Analytes	Age Group	Critical Low	Critical High	Units
Phenobarbital		n/a	>40	ug/mL
Platelet Count	Adult/Peds	<20	>1,000	10 ³ /uL
	Neonatal	<50	>1,000	10 ³ /uL
Porphobilinogen		Positive		
Potassium	Adult/Peds	<2.5	>6.0	mmol/L
	0 – 1 year	<3.0	>6.0	mmol/L
Prottime/INR		n/a	>4.5	
PTT	Heparinized		>240	Seconds
	Non-Heparinized		>85	Seconds
RSV, Neonatal (Rapid or Culture)		Positive		
Salicylate		n/a	>30	mg/dL
Sodium		<120	>160	mmol/L
Theophylline		n/a	>20	ug/mL
Total Bilirubin	Neonatal	n/a	>15	mg/dL
Tracheal Aspirate	Neonatal	Stat Gram Stains		
Transfusion Reaction Work-Up		Positive Results		
Triglyceride	Neonatal	n/a	>200	mg/dL
WBC	Adult/Peds	<2.0	>50.0	10 ³ /uL
	< 90 days	<4.0	>35.0	10 ³ /uL
Vancomycin, Random and Peak		n/a	>40	ug/mL
Vancomycin, Trough		n/a	>20	ug/mL

Applies to CDH Only

Analytes	Age Group	Critical Low	Critical High	Units
Phosphorus	Adult	<1.0	n/a	mg/dL
	0 – 18 years	<1.0	>11	mg/dL
Troponin I – High Sensitivity		n/a	>500	pg/mL

Applies to Delnor Only

Analytes	Age Group	Critical Low	Critical High	Units
Carbamazepine (Tegretol)		n/a	>15	ug/mL
Phosphorus		<1.0	n/a	mg/dL
Troponin I – High Sensitivity		n/a	>200	pg/mL
Valproic Acid		n/a	>120	ug/mL
Triglyceride	Peds	n/a	>1000	mg/dL
	Adult	n/a	>1000	mg/dL