

TITLE: CRITICAL RESULT VALUES LIST (LTR83885)

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APPROVED BY MEDICAL DIRECTOR

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FOLDER: Lab Corporate - All Sites\Critical Results

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CHS LAKELAND LABORATORIES CRITICAL VALUES		
Effective 04/21/2024		
CHEMISTRY		
TEST	LOW	HIGH
Acetaminophen	None	≥200 mcg/mL
Alcohol	None	≥300 mg/dL
Ammonia	None	>150 umol/L
Bilirubin, Total (age ≤30 days)	None	≥16.0 mg/dL
Calcium	< 6.5 mg/dL	> 12.0 mg/dL
Calcium, Ionized	≤0.85 mmol/L	≥1.60 mmol/L
Carbamazepine	None	≥15.0 mcg/mL
Carbon Monoxide	None	≥20 %
CPK	None	≥4000 IU/mL
CO2	≤15 mmol/L	≥45 mmol/L
Creatinine	None	≥10.0 mg/dL
Digoxin	None	≥2.5 ng/dL
Gentamicin	None	≥12.0 mcg/mL (Peak/Random) >2.0 mcg/mL (Trough)
Glucose	<42 mg/dL (age 0-90 days)	>200 mg/dL (age 0-90 days)
	<50 mg/dL (age 91 days and older)	>300 mg/dL (age 90 days to 18 years)
		>400 mg/dL (age 18 years and older)
Lactic Acid	None	≥4.0mmol/L
Lithium	None	≥1.5 mEq/L
Magnesium	<1.2 mg/dL	>3.5 mg/dL
Osmolality, serum	≤220 mOsm/kg	≥350 mOsm/kg
Phenobarbital	None	≥50.0 mcg/mL
Phenytoin	None	≥30.0 mcg/mL
Phosphorus	≤<1.0 mg/dL	None
Potassium	<2.5 mmol/L (age 0-90 days)	>6.5 mmol/L (age 0-90 days)
	<3.0 mmol/L (age 91 days and older)	>6.0 mmol/L (age 91 days and older)
Salicylate	None	≥30 mg/dL
Sodium	≤124 mmol/L	≥160 mmol/L
Theophylline	None	≥20.0 mcg/mL
Tobramycin	None	≥12.0 mcg/mL (Peak/Random) ≥2.0 mcg/mL (Trough)
Troponin I	None	≥0.12 ng/mL
Troponin T	None	≥100 ng/L
Valproic Acid	None	≥150 mcg/mL
Vancomycin	None	≥45.0 mcg/mL (Peak/Random) ≥20.0 mcg/mL (Trough)
BLOOD BANK		
Crossmatch: Compatible Blood not available		
Transfusion Reaction: Suspected signs of acute hemolytic reaction		
HEMATOLOGY / COAGULATION		
TEST	LOW	HIGH
Fibrinogen	≤100 mg/dL	None

Hemoglobin	<10.0 g/dL (age 0-30 days)	>22.5 g/dL (age 0-30 days)
	<8.0 g/dL (age 31 days to 90 days)	>22.5 g/dL (age 31 days to 90 days)
	<7.0 g/dL (age 91 days and older)	>20.0 g/dL (age 91 days and older)
Platelets	<50 x10 ⁹ /uL (age 0-30 days)	>1,000 x10 ⁹ /uL (age 0-30 days)
	<20 x10 ⁹ /uL (age 31 days and older)	>1,000 x10 ⁹ /uL (age 31 days and older)
HEMATOLOGY / COAGULATION		
TEST	LOW	HIGH
WBC	<4.0 x10 ⁹ /uL (age 0-30 days)	>25.0 x10 ⁹ /uL (age 0-30 days)
	<2.0 x10 ⁹ /uL (age 31 days to 13 years)	>25.0 x10 ⁹ /uL (age 31 days to 13 years)
	<2.0 x10 ⁹ /uL (13 years to 18 years)	>35.0 x10 ⁹ /uL (age 13 years to 18 years)
	<1.0 x10 ⁹ /uL (age 18 years and older)	>35.0 x10 ⁹ /uL (age 18 years and older)
Absolute Neutrophil count	≤0.5 x10 ⁹ /uL (all ages)	None
PT (Prothrombin Time)	None	INR ≥5.0
PTT (Partial Thromboplastin Time)	None	≥100.0 seconds
Unfractionated Heparin	None	≥ 1.00 U/mL
LMW Heparin	None	≥ 1.20 U/mL
MICROBIOLOGY		
TEST	RESULT	
Blood Cultures	Initial positive blood culture within a 72 hour period Second call for gram positive cocci organism identification only	
CSF Gram Stain	Any Positive	
CSF Culture	Any Positive	