

TEST NAME	CRITICAL (LOW)	CRITICAL (HIGH)
CHEMISTRY/TOXICOLOGY	(Equal to or Less Than)	(Equal to or Greater Than)
Acetaminophen		150 mg/L
Alcohol (Ethanol)		400 mg/dL
Bilirubin, Total (\leq 2 month)		15.0 mg/dL
Calcium	6.0 mg/dL	13.0 mg/dL
Calcium, Ionized	0.80 mmol/L	1.63 mmol/L
Carbamazepine (Tegretol®)		20.0 mg/L
Carboxyhemoglobin (Carbon Monoxide)		20%
Bicarbonate, Arterial Blood	10 mmol/L	45 mmol/L
Digoxin (Lanoxin®)		2.5 mcg/L
Dilantin® (Phenytoin)		40 mg/L
Gentamicin, Trough		2.1 mg/L
Glucose	40 mg/dL	500 mg/dL
Glucose (Up to 1 month)	35 mg/dL	200 mg/dL
Lactic Acid		3.0 mEq/L
Lithium		2.1 mmol/L
Magnesium	1.0 mg/dL	8.5 mg/dL
pCO ₂ , Blood	15 mmHg	65 mmHg
pH, Blood	7.20 Units	7.60 Units
pH, Cord blood	7.10 Units	
Base Excess, Cord Blood	-12 mmol/L	
pO ₂ , Blood	45 mmHg	
pO ₂ , Blood (Neonate-Up to 1 month)	35 mmHg	100 mmHg
Phenobarbital		60 mg/L
Phosphorus	1.0 mg/dL	
Potassium	2.7 mEq/L	6.2 mEq/L
Potassium (Neonate-Up to 1 month)	2.5 mEq/L	6.4 mEq/L
Salicylate		40.0 mg/dL
Sodium	120 mEq/L	160 mEq/L
Sodium (Neonate-Up to 1 month)	125 mEq/L	160 mEq/L
Theophylline		25 mg/L
Tobramycin, Trough		2.1 mg/L
Valproic Acid		150 mg/L
Vancomycin, Trough		40.0 mg/L
Vancomycin, Trough (Neonate-Up to 1 month)		20.1 mg/L

TEST NAME	CRITICAL (LOW)	CRITICAL (HIGH)
HEMATOLOGY	(Equal to or Less Than)	(Equal to or Greater Than)
Hemoglobin	6.0 gm/dL	
Hemoglobin (Neonate-Up to 1 month)	8.0 gm/dL	
Hematocrit	18.0%	
Hematocrit (Neonate-Up to 1 month)	24.0%	70%
Platelets	35 Thou/CU.MM	1000 Thou/CU.MM
Platelets (Neonate-Up to 1 month)	50 Thou/CU.MM	1000 Thou/CU.MM
WBC Count	1.00 Thou/CU.MM	50.00 Thou/CU.MM

COAGULATION	(Equal to or Less Than)	(Equal to or Greater Than)
Fibrinogen Level	99 mg/dL	
Prothrombin Time/INR		5.0 INR
PTT		150 seconds
Unfractionated Heparin (UFH)		1.0 IU/mL

COAGULATION	Critical Results:
HIT-Antibody (PF4H)	Positive

MICROBIOLOGY	Critical Results:
Acid Fast Stains and Cultures	Positive stain results called to: <ul style="list-style-type: none"> • Physician • Hospital Infection Control Officer Positive Mycobacterium tuberculosis cultures called to: <ul style="list-style-type: none"> • Physician • Hospital Infection Control Officer • State Health Department
Cryptococcus assays (Serum and CSF) <ul style="list-style-type: none"> • Film Array 	Positive
Cryptococcus culture	Positive
Cultures	Positive (growth) from any of the following: <ol style="list-style-type: none"> 1. Blood 2. CSF 3. Specimens from Sterile Body Sites (Pleural fluid, joint fluid, abdominal cavity, tissues, etc.) 4. Cultures for <i>N. gonorrhoea</i> 5. Sample direct from units of blood (pRBC) or platelets (call Pathologist) 6. Urine (newborn to 12 months only)
Fungus Culture	Positive for dimorphic fungus

Fungal stain	Indicative of dimorphic fungus
GMS for <i>Pneumocystis carinii</i>	Positive

TEST NAME	CRITICAL
MICROBIOLOGY (cont'd.)	Critical Results:
Gram Stains	Positive from any of the following: <ol style="list-style-type: none"> 1. Blood 2. CSF 3. Specimens from Sterile Body Sites (Pleural fluid, joint fluid, abdominal cavity, tissues, etc.) 4. Smears for <i>N. gonorrhoea</i> 5. Sample direct from units of blood (pRBC) or platelets
Meningitis Panel - Film Array	Positive
Respiratory Panel - Film Array (Neonate-Up to 1 month)	Positive

SEROLOGY	Critical Results:
HIV Combo Antigen/Antibody Screen	Positive and all exposure workup results (critical test)
Respiratory rapid assays (Neonate-Up to 1 month)	Positive on any of the following: <ul style="list-style-type: none"> • Influenza A or B • RSV • Strep A

TRANSFUSION MEDICINE	Critical Results:
Kleihauer-Betke (FM Bleed)	All results (critical test)