

Blood Bank: Positive antibody screens or DAT

ALH Critical Values

TEST	LOW	POSSIBLE EFFECT	HIGH	POSSIBLE EFFECT
Chemistry				
Acetaminophen	N/A		≥ 50 mcg/ml	Toxicity; Liver
Bicarbonate (HCO ₃)	≤ 10 meq/L	Acidosis/Alkalosis/Anoxemia	≥ 40 meq/L	Acidosis/Alkalosis/Anoxemia
Bilirubin - Neonate	N/A		≥ 18 mg/dL	Kernicterus
BUN	N/A		≥ 100 mg/dL	Acute Renal Failure
Calcium	≤ 6 mg/dL	Tetany and Convulsions	≥ 13 mg/dL	Coma
Digoxin	N/A		≥ 2.5 mg/mL	Ventricular Arrhythmias
Glucose	≤ 50 mg/dL	Brain Damage	≥ 500 mg/dL	Diabetic Coma
Glucose-Newborn	≤ 20 mg/dL	Brain Damage	≥ 300 mg/dL	Diabetic Coma
Phosphorus	≤ 1 mg/dL	Seizures and Coma	N/A	
Potassium	≤ 2.5 meq/L	Muscle Weakness/Paralysis/Cardiac Tox.	≥ 6.5 meq/L	Cardiac Toxicity/Arrhythmias
Potassium-Newborn	≤ 2.5 meq/L	Muscle Weakness/Paralysis/Cardiac Tox.	≥ 8.0 meq/L	
Salicylate	N/A		≥ 400 ug/mL	Metabolic Acidosis
Sodium	≤ 120 meq/L	Extreme Dehydration/Vascular Collapse	≥ 160 meq/L	Extreme Dehydration/Vascular Collapse
Troponin	N/A		≥ 0.1 ng/mL	Evidence of Myocardial Damage
Lactic Acid			> 4.0 mmol/L	

Hematology - Coagulation				
Hematocrit	≤ 20 Vol %	Heart Failure/Anoxemia	N/A	
Hemoglobin	≤ 6.5 gm %	Heart Failure/Anoxemia	N/A	
Platelets	≤ 30,000/mm ³	Hemorrhage	N/A	
Platelets - Pediatric	≤ 20,000/mm ³	Hemorrhage	N/A	
White Blood Count	≤ 2000/mm ³	Leukopenia	≥ 30,000 mm ³	Serious Infection/Lymphoproliferative Disorder
Partial Thromboplastin Time	N/A		≥ 90 sec.	Hemorrhage
Prothrombin Time	N/A		≥ 40 sec	Hemorrhage

Microbiology				
AFB Smear			POS	Infection/Requiring Isolation
Blood Culture - Positive	N/A		POS	Infection/Sepsis Syndrome
Gram Stain - Sterile Site (+)	N/A		POS	Infection/Severe
MRSA-Inpatient	N/A		POS	Infection/Requiring Isolation
VRE-Inpatient	N/A		POS	Infection/Requiring Isolation
ESBC + Organisms- Inpatient	N/A		POS	Infection/Requiring Isolation
C Diff-Inpatient	N/A		POS	Infection/Requiring Isolation
N. meningitidis in CSF	N/A	*Also contact IC/Emp Health	POS	Infection/Requiring Isolation

