

CRITICAL LABORATORY VALUE LIST

DEPARTMENT	TEST	HIGH VALUE	LOW VALUE
CHEMISTRY	Potassium (mEq/l)	greater than 6.0	less than 2.5
	Sodium (mEq/l)	greater than 158	less than 126
	CO ₂ (mEq/l)	greater than 40	less than 10
	Chloride (mEq/l)		less than 80
	Calcium (mg/dl)	greater than 14	less than 6
	Phosphorous (mg/dl)		less than 1.5
	Magnesium (mg/dl)	greater than 3.4	less than 1.3
	Glucose (mg/dl)	greater than 350	less than 50
	SATG glucose (mg/dl)	greater than 400	less than 60
	BUN (mg/dl)	greater than 80	
	Creatinine (mg/dl)	greater than 6	
	Total Bilirubin (mg/dL)	greater than 20	
	Neonatal bilirubin (mg/dL)	greater than 20	
	Lactic acid (mmol/L)	greater than 1.99	
	Ultra Troponin (ng/ml)	greater than 0.120	
	Acetaminophen (µg/ml) 4 hours after ingestion	greater than 150	
	Acetaminophen (µg/ml) 12hours after ingestion	greater than 50	
	Carbamazepine (µg/ml)	greater than 15.0	
	Digoxin (ng/ml)	greater than 2	
	Gentamicin Peak (µg/ml)	greater than 10	
	Gentamicin Trough (µg/ml)	greater than 2	

CRITICAL LABORATORY VALUE LIST

DEPARTMENT	TEST	HIGH VALUE	LOW VALUE
	Phenobarbital (µg/ml)	greater than 40	
	Phenytoin (µg/ml)	greater than 20	
	Salicylate (mg/dl)	greater than 30	
	Valproic Acid (µg/ml)	greater than 100	
	Vancomycin Peak (µg/ml)	greater than 40	
	Vancomycin Trough (µg/ml)	greater than 20	
HEMATOLOGY	Hct (Vol%)		less than 21
	Hgb (gm/dl) 0-7 days of age		less than 14
	Hgb (gm/dl) >7 days of age		less than 7
	Bands - patients 18 years of age or older	greater than or equal to 10%	
	WBC (x10 ³ / µl) 0-7 days of age	greater than 35	less than 9
	WBC (x10 ³ / µl) >7 days of age	greater than 25	less than 2
	Platelets (x10 ³ / µl)		less than 50
	Malaria smears	Positive	

DEPARTMENT	TEST	HIGH VALUE	LOW VALUE
COAGULATION	Protime: INR value for patients NOT on Coumadin	greater than 2.15	
	Protime: INR value for Known Coumadin Therapy	greater than 4.5	
	PTT (Secs) for patients NOT on heparin	greater than 45	
	PTT (secs) for Known Heparin Protocol	greater than 140	
	Bleeding Time (min)	greater than 20	
	Fibrinogen (mg/dl)	greater than 800	less than 50

CRITICAL LABORATORY VALUE LIST

DEPARTMENT	TEST	HIGH VALUE	LOW VALUE
	for patients NOT on Retavase		
	Fibrinogen (mg/dl) for patients on Retavase	greater than 800	less than 200
TRANSFUSION SERVICES	Unable to comply with request to provide blood products		
	Positive antibody screen		
	Positive Direct Coombs on newborn		
	Suspected hemolytic transfusion reaction		
	Suspected bacterial contamination transfusion reaction		
MICROBIOLOGY	Isolated organism totally resistant to antibiotics on panel		
	Positive Blood Culture		
	Positive CSF Gram stain		
	Positive for cryptococcal antigen		