

CRITICAL VALUES

CHEMISTRY	value	units
BUN	>100	mg/dl
Calcium (total)	<6 or >12.5	mg/dl
Calcium (ionized, whole blood)	≤3.3 or ≥6.2	mg/dl
Carbamazepine	>15	ug/ml
CO ₂	<10 or >40	mmol/L
Carbon Monoxide	>20	%
Dilantin (Phenytoin)	>30	ug/ml
Digoxin	>2.5	ng/ml
Glucose (newborn)	<40 or >180	mg/dl
Glucose (adult)	<50 or >400	mg/dl
Lactic acid	>3	mEq/L
Lithium	≥1.3	mEq/L
Magnesium	<1 or >3	mg/dl
Phenobarbital	>50	ug/ml
Potassium	<2.9 or >6.1	mmol/L
Protein/Creatinine Ratio Urine * This critical value is only for the FBC inpatient unit*	≥0.30	
Sodium	<120 or >160	mmol/L
Troponin, High Sensitivity	≥52	ng/L
Valproic acid	>150	μg/ml
HEMATOLOGY	value	units
APTT	≥150	seconds
Fibrinogen	<80	mg/dl
Hemoglobin (age >1 month)	<7 or >20	g/dl
Hemoglobin (age <1 month)	<7.5	g/dl
Prothrombin Time INR	≥5	
Platelet count	<50,000 or >1,000,000	/μl
WBC	<2,500 or >75,000	/μl
Absolute Neutrophil Count	≤1,000	/μl
Unexpected differential findings which require immediate attention		
MICROBIOLOGY		
Micro-organisms in spinal fluid stain or culture		
Micro-organisms in blood cultures		
Positive TB smear or culture		
Positive Legionella culture		
BLOOD BANK		
Confirmed hemolytic transfusion reaction		