

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
CO2	<10 or >40	mmol/L
Carbon Monoxide	>20	%
Dilantin (Phenytoin)	>30	ug/ml
Digoxin	>2.5	ng/ml
Gentamicin	>therapeutic range	
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
Sodium	<120 or >160	mmol/L
Theophylline	>20	ug/ml
Troponin, High Sensitivity	≥52	ng/L
Tobramycin	>therapeutic range	
Valproic acid	>150	ug/ml
Vancomycin, trough	>20	ug/ml
Vancomycin, peak	>40	ug/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/ul or >1,000,000	/ul
WBC	<2,500 or >75,000	/ul
Absolute Neutrophil Count	≤1,000	/ul
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

