

Laboratory Critical Results and Call Criteria Results

Chemistry Tests:	Critical High (Call within 30 minutes)	Critical Low (Call within 30 minutes)	Call Criteria Chemistry
Acetaminophen	>100 mcg/mL*		
Alcohol	≥400 mg/dL		
Blood Urea Nitrogen (BUN)	>80 mg/dL*		
Calcium	>13.0 mg/dL*	<7.0 mg/dL*	
Carbamazepine	>15 mcg/mL		
Carbon Dioxide (CO ₂)		<15 mEq/L*	
Creatine Kinase (CK)	>5,000 IU/L*		
Digoxin	>2.0 ng/mL		
Dilantin (Phenytoin)	>25 mcg/mL		
Gentamicin, trough	>3.5 mg/mL		
Glucose (8 days or older)	>500 mg/dL	<50 mg/dL	
Glucose (1 day to 7 days)	>200 mg/dL	<40 mg/dL	
Glucose (birth to 1 day)	>200 mg/dL	<35 mg/dL	
Lithium	>1.5 mEq/L		
Magnesium	>5.0 mg/dL	<1.0 mg/dL	
Microbilirubin	>15.0 mg/dL		
Phenobarbital	>50 mcg/mL		
Phenytoin (Dilantin)	>25 mcg/mL		
Phosphorus	>7.5 mg/dL*	<1.0 mg/dL*	
Potassium (> 1 year of age)	>6.2 mEq/L*	<3.0 mEq/L*	
Potassium (<1 year of age)	>6.5 mEq/L*	<3.0 mEq/L*	
Sodium (>12 year of age)	>160 mEq/L*	<120 mEq/L*	
Sodium (<12 years of age)	>150 mEq/L*	<125 mEq/L*	
Theophylline	>25 mcg/mL		
Tobramycin, trough	>3.5 mg/dL		
Troponin I	>0.1 ng/mL*		
Valproic Acid	>150 mcg/mL		
Vancomycin, trough	>30 mg/dL		
*Results are called if this is a new result. If the result is consistent with previous results, no call is necessary. If this is the first time that the result meets the call criteria, a call is made.			

Microbiology Tests:	Critical High (Call within 30 minutes)	Critical Low (Call within 30 minutes)	
Blood Culture	First sign of growth		

Hematology Tests:	Critical High (Call within 30 minutes)	Critical Low (Call within 30 minutes)	
Hematocrit		<21% (initial)	Thereafter, <15%
Hemoglobin		<7 grams (initial)	Thereafter, < 5 grams
Platelet	Initial >800,000	Initial <40,000	Thereafter, <2,000
White Blood Count	Initial >30,000	Initial <2,000	

Coagulation Tests:	Critical High (Call within 30 minutes)	Critical Low (Call within 30 minutes)	
INR	>5.0		
PTT	Inpatients, >150 seconds outpatients, >60 seconds		
Fibrinogen		<100 mg/dL	