

Laboratory Critical Results and Call Criteria Results

Chemistry Tests:	Critical High (Call within 30 minutes)	Critical Low (Call	Call Criteria Chemistry
Acetaminophen	>50		
Alcohol	>= 350mg/dL		
Bilirubin (Neonatal)	>15 mg/dL		0-31 days old
Calcium	>13.0 mg/dL	<6.0 mg/dL	
Carbamazepine	>15 mcg/mL		
Carbon Dioxide (CO ₂)	>40 mmol/L	<10 mmol/L	
Creatinine	>4.0		Outpatients only
Digoxin	>2.5 ng/mL		
Dilantin (Phenytoin)	>=30 mcg/mL		
Gentamicin, trough	>3.5 mg/mL		Always called to
Glucose (8 days or older)	>500 mg/dL	<50 mg/dL	
Glucose (birth to 1 month)	>200 mg/dL	<35 mg/dL	
Lactic Acid	>2.0 mmol/dL		
Lithium	>1.5 mEq/L		
Magnesium	>5.0 mg/dL	<1.0 mg/dL	
Phenobarbital	>50 mcg/mL		
Phosphorus	>8.0 mg/dL	<1.0 mg/dL	
Potassium	>6.0 mEq/L	<3.0 mEq/L	
Sodium (>12 year of age)	>160 mEq/L	<120 mEq/L	
Theophylline	>20 mcg/mL		
High Sensitive Troponin	>58 ng/L unknown >54 ng/L female >78 ng/L male		
Valproic Acid	>150 mcg/mL		
Vancomycin, trough	>25 mcg/mL		
Vancomycin, peak or random	>50 mcg/mL		

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	>55%	<18%	
Hemoglobin	>23.0 g/dL	<6.0 g/dL	<8.0 g/dL for newborns
Platelet	>800,000	<40,000	
White Blood Count	>30,000	<2,000	<9,000 for newborns

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	