Call-Back Critical Test Values

This listing is for tests performed at Holland Hospital Laboratory Services. When the results of any test fall into the range of "critical test values" listed below, a technologist will call the results to the in-patient's nursing station, indicating to them that this is a "critical test value" and that the physician must be notified immediately. When a "critical test value" is encountered for an out-patient, the patient's physician is called by a technologist.

Test	Low	High
Blood Bank		
Direct Coombs, Blood Newborns		Positive
Chemistry		
Bilirubin, Neonatal, Plasma	None	15 mg/dL
Calcium, Total, Plasma or Serum	6.0 mg/dL	13 mg/dL
Glucose, Plasma or Serum Newborns (0-1 Day) 2 Days-12 months >12 months - Adult	29 mg/dL 40 mg/dL 50 mg/dL	200 mg/dL 500 mg/dL 500 mg/dL
Lactic Acid	None	4.0 mmol/L
Magnesium, Plasma or Serum	1.0 mg/dL	6.0 mg/dL
Phosphorus, Plasma or Serum	1.0 mg/dL	10.0 mg/dL
Potassium, Plasma or Serum	2.5 mmol/L	6.0 mmol/L
Sodium, Plasma or Serum	120 mmol/L	160 mmol/L
Coagulation		
Activated Partial Thromboplastin Time (APTT), Plasma	None	150 seconds
Protime (PT), Plasma International Normalized Ratio (INR)	None	5.0
Fibrinogen	<100 mg/dL	None
Anti-Xa	None	1.62 IU/mL
Hematology		
Hemoglobin, Blood	7.0 g/dL	None
Platelet Count	30,000 cMM	None
White Blood Cell (WBC) Count	1,000 cMM	None
Microbiology		
Clostridioides (formerly Clostridium) difficile, Feces		All positives
Culture, Blood		All positives (a call will be placed if >12 hours have elapsed since a previous positive was called)
Cerebrospinal fluid cultures		All positives
Cerebrospinal fluid Gram stains		All positives
Methicillin-Resistant *Staphylococcus aureus* (MRSA) isolated from an **inpatient**		
Stool culture		Shiga toxin detected
Clostridium species isolated in any culture		
E. coli 0157:H7 isolated in any culture		

Urinalysis, Urine		
Glucose <1 week of age		Positive
Ketones <1 week of age		Positive
Molecular Diagnostics		
Covid-19 Antigen and PCR		All positives on inpatients