

## LABORATORY CRITICAL VALUES (CALL-BACK)

(Updated August 2018)

### CHEMISTRY

ASSAY	LOWER LIMIT	UPPER LIMIT
Acetaminophen		Greater than 50 µg/mL
Alanine Aminotransferase (ALT)		Greater than 1000 U/L
Aspartate Aminotransferase (AST)		Greater than 1000 U/L
Amylase		Greater than 355 IU/L
Bilirubin (Neonatal)		Greater than 10 mg/dL
BUN		Greater than 100 mg/dL
Calcium, <b>Ionized</b>	Less than 2 mg/dL	Greater than 6 mg/dL
Calcium, <b>Total</b>	Less than 7 mg/dL	Greater than 12 mg/dL
Carbamazepine		Greater than 12 mcg/ml
Carbon dioxide	Less than 15 mEq/L	Greater than 40 mEq/L
Creatine Kinase (CPK)		Greater than 1000 IU/L
CSF Glucose	Less than 40 mg/dL	
Cyclosporin		Greater than 400 ng/mL
Digoxin		Greater than 2 ng/mL
Dilantin		Greater than 30 µg/mL
Gentamycin (trough)		Greater than 2 µg/mL
Glucose	Less than 53 mg/dL	Greater than 400 mg/dL
Iron, Serum (less than 18 yrs)		Greater than 300 µg/dL
Lactic Acid		Greater than 3.9 mmol/L
Lithium		Greater than 1.5 mEq/L
Magnesium	Less than 1 mg/dL	Greater than 5 mg/dL
pH (venous)	Less than 7.2	Greater than 7.6
Phenobarbitol		Greater than 40 µg/mL
Phosphorus	Less than 1 mg/dL	
Potassium	Less than 2.5 mEq/L	Greater than 6.0 mEq/L
Salicylate		Greater than 30 mg/dL
Sodium	Less than 120 mEq/L	Greater than 160 mEq/L
Tacrolimus		Greater than 20 ng/mL
Theophylline		Greater than 20 µg/mL
Tobramycin (trough)		Greater than 2 µg/mL
Troponin		ANY POSITIVE
Vancomycin (peak)		Greater than 50 mcg/ml
Vancomycin (trough)	Less than 10 mcg/ml	

### HEMATOLOGY

ASSAY	LOWER LIMIT	UPPER LIMIT
Fibrinogen	Less than 100 mg/dL	
HGB-Hemoglobin	Less than 7 g/dL	
INR		Greater than or Equal to 4.5
PLT-Platelet Count	Less than 30.0 K/uL	Greater than 1,000 K/uL
PTT-Partial Thromboplastin Time		Greater than 150 seconds
WBC-White Blood Count	Less than 2.0 K/uL	Greater than 30.0 K/uL

### MICROBIOLOGY

- Cultures
  - All positive Blood Culture results, as determined by Gram stain, NANOSPHERE Blood Culture, PNA FISH Candida, and/or culture growth.
  - CSF or corneal scrapings showing any growth, including bacterial or fungal.
  - All initial positive results for MRSA.
- Blood Malarial Smear - Any positive result.
- Gram Stains - All CSF and corneal scrapings, lower respiratory smears consistent with pneumonia (many WBCs and predominance of one organism type) and male genital specimens showing intracellular gram-negative diplococci.
- India Ink- Any positive India Ink Prep.
- Group B Streptococcus RT-PCR - Any positive results.
- Clostridium difficile RT-PCR- All positive results.