***Automatic Call-Back Values***

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| Test | Low | High |
| Acetaminophen, Serum |  | >40 μg/mL |
| Alcohol, Plasma or Serum |  | >=350 mg/dL |
| Ammonia, Plasma |  | >500 μmol/L |
| Amylase, Plasma or Serum |  | >500 U/L |
| Arterial Blood Gas, Blood pH | <=7.20 pH Units | >=7.60 pH Units |
| Bilirubin, Total, Serum (0 days-9 years) |  | >15 mg/dL |
| Calcium, Ionized, IP/OP | <0.80 mmol/L | >1.50 mmol/L |
| Calcium, Total, Plasma or Serum | <6.5 mg/dL | >13.0 mg/dL |
| Carbamazepine, Total, Plasma or Serum |  | >15.0 μg/dL |
| Carbon Monoxide, Blood |  | >15% |
| Cell Count, Spinal Fluid (not contaminated with blood) Neonates (<1 month)  Infants (1 month-5 years)  Child (>5 years)  Adult |  | >30 WBC/μL  >9 WBC/μL  >5 WBC/μL  >5 WBC/μL |
| Clostridium Difficile by PCR + Reflex Toxin Screen |  | All Positives |
| Culture, Acid-Fast Bacillus (AFB), Smear |  | All positives |
| Culture, Acid-Fast Bacillus (AFB), Blood |  | All positives |
| Culture, Blood |  | All positives |
| Culture, Fungus, Blood |  | All positives |
| Culture, Spinal Fluid and Gram Stain |  | All positives |
| Differential Leukocyte Count, Blood |  | Any blasts or parasites seen on the differential |
| Digoxin (Lanoxin®), Plasma or Serum |  | >2.00 ng/mL |
| D-Dimer, Plasma |  | >500 FEU ng/mL (Age specific cut-offs for patients >50 yrs) |
| Fibrinogen, Plasma | <120 mg/dL | >700 mg/dL |
| Gastrointestinal PCR Panel |  | All bacterial positivies |
| Gentamicin, Peak, Plasma or Serum |  | >10.0 μg/mL |
| Gentamicin, Random, Plasma or Serum |  | >10.0 μg/mL |
| Gentamicin, Trough, Plasma or Serum |  | >2.0 μg/mL |
| Glucose, 1 Hour OB Screen, Plasma or Serum | <=50 mg/dL | >=400 mg/dL |
| Glucose, 2 Hour Postprandial, Plasma or Serum | <=50 mg/dL | >=400 mg/dL |

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| Test | Low | High |
| Glucose, Plasma or Serum  <7 days  >7 days | <=50 mg/dL  <=50 mg/dL | >=300 mg/dL  >=400 mg/dL |
| Glucose Tolerance Test, 2 Hour, Plasma or Serum | <=50 mg/dL | >=400 mg/dL |
| Glucose Tolerance Test, 3 Hour, Plasma or Serum | <=50 mg/dL | >=400 mg/dL |
| Glucose Tolerance Test, Obstetric, Plasma or Serum | <=50 mg/dL | >=400 mg/dL |
| Gram Stain |  | All positive sterile body fluid specimens |
| Hemoglobin, Blood  Newborns  Adults | <12.0 g/L  <7.0 g/L | >24.0 g/L  >20.0 g/L |
| Hepatitis A Antibody, IgM Only (Anti-HAV, IgM) Plasma or  Serum |  | All positives |
| Lactic Acid, IP/OP |  | >4 mmol/L |
| Lead, Blood |  | >=40 μg/dL |
| Lead, Blood/Erythrocyte Protoporphyrin (EP) |  | >=40 μg/dL |
| Lead, Blood (OSHA) |  | >=40 μg/dL (Exceeds action  limits. May require further action according to OSHA.) |
| Lead, Blood (OSHA)/Erythrocyte Protoporphyrin (EP) |  | >=40 μg/dL (Exceeds action  limits. May require further action according to OSHA.) |
| Legionella Antigen, Urine |  | All positives |
| Lithium, Serum |  | >1.3 mEq/L |
| Magnesium, Plasma or Serum  0-30 days  21 month | <1.0 mg/dL  <1.0 mg/dL | >3.0 mg/dL  >5.0 mg/dL |
| Meningitis/Encephalitis PCR Panel |  | All positives |
| Partial Thromboplastin Time (PTT), Plasma |  | >150.0 seconds |
| Peripheral Smear Review |  | Any blast cells and/or  parasites seen on differential |
| Phenobarbital, Plasma or Serum |  | >=45 μg/mL |
| Phenytoin, Total, Plasma or Serum |  | >=30.0 μg/mL |
| Platelet Count, Blood | <50.0 K/μL | >1,000.0 K/μL |
| Pneumocystis Fluorescent Antibody Smear |  | All positives |
| Potassium, Plasma or Serum | <2.8 mEq/L | >6.0 mEq/L |
| Prothrombin Time (PT/INR) Profile, Blood or Plasma  INR |  | >5.5 |
| Respiratory Syncytial Virus (RSV) PCR  Children <3 months |  | All positives |
| Salicylate, Plasma or Serum |  | >30 mg/dL |

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| Test | Low | High |
| Sodium, Plasma or Serum | <=120 mEq/L | >160 mEq/L |
| Theophylline, Plasma or Serum |  | >25.0 μg/mL |
| Troponin I, Plasma |  | >=0.12 ng/mL |
| Valproic Acid (Depakote®), Plasma or Serum |  | >=140.0 μg/mL |
| Vancomycin, Peak, Plasma or Serum |  | >40.0 μg/mL |
| Vancomycin, Random, Plasma or serum |  | >40.0 μg/mL |
| Vancomycin, Trough, Plasma or Serum |  | >20.0 μg/mL |
| White Blood Cell (WBC), Blood  0-29 days  >=1 month | <2.0 K/μL  <2.0 K/μL | >34.0 K/μL  >30.0 K/μL |

\*All critical call-backs on this list are for tests performed by Bellin Hospital Laboratory. Any critical, urgent, semi-urgent, or alert values on testing performed outside of Bellin Lab are determined by the reference laboratory they are sent to (ie.) ARUP, Mayo, St. Vincent Hospital, or WSLH)