

Critical Laboratory Results

BLOOD BANK

| ANALYTE | AGE RANGE | CRITICAL VALUE | UNITS |
|-------------------------------|-----------|----------------|-------|
| DAT- Direct Antiglobulin Test | Newborn | Positive | |

CHEMISTRY/THERAPEUTIC DRUGS

| ANALYTE | AGE RANGE | CRITICAL VALUE | UNITS |
|----------------------------------------------------|-----------------------------------|-----------------------------------|----------|
| Acetaminophen | Any age | greater than 40 | mcg/mL |
| Bilirubin | less than 1 month | greater than 20 | mg/dL |
| Blood Gases | | | |
| pH All Specimen Types | Any age | less than 7.2 greater than 7.6 | |
| pO2 (Arterial or Capillary) | Any age | less than 40 | mm Hg |
| pCO2 (Arterial or Capillary) All Specimen Types | Any age | less than 20 greater than 70 | mm Hg |
| HCO3 All Specimen Types | Any age | less than 10 greater than 45 | mEq/L |
| Calcium | Any age | less than 6 greater than 14 | mg/dL |
| Calcium- Ionized | Any age | less than 0.8 | mmol/L |
| Carbamazepine (Tegretol) | Any age | greater than 12 | mcg/mL |
| Digoxin | Any age | greater than 3.0 | ng/mL |
| Gentamicin- trough | Any age | greater than 2.0 | mcg/mL |
| Glucose | less than 1 month | less than 40 greater than 200 | mg/dL |
| | equal to or older than 1 month | less than 50 greater than 400 | mg/dL |
| Lactic Acid | Any age | greater than 1.9 | mmol/L |
| Lithium | Any age | greater than 2 | mEq/L |
| Magnesium | Any age | less than 1.0 | mg/dL |
| Phenobarbital | Any age | greater than 40 | mcg/mL |
| Phenytoin (Dilantin) | Any age | greater than 25 | mcg/mL |
| Phenytoin Free | Any age | greater than 2.5 | mcg/mL |
| Potassium | less than 1 month | less than 2.5 greater than 8.0 | mEq/L |
| | equal to or older than 1 month | less than 2.5 greater than 6.2 | mEq/L |
| Protein, 24 hr Urine | OB Patients | greater than 4999 | mg/24 hr |
| Sodium | less than 1 month | less than 125 greater than 150 | mEq/L |
| | equal to or older than 1 month | less than 115 greater than 150 | mEq/L |
| Salicylate | Any age | greater than 35 | mg/dL |
| Syphilis IgG IgM or RPR | Inpatients | reactive | |
| Theophylline | Any age | greater than 25 | mcg/mL |
| Tobramycin- trough | Any age | greater than 2.0 | mcg/mL |
| Troponin T | Any age | greater than 0.07 | ng/mL |
| Valproic Acid (Depakene) | Any age | greater than 125 | mcg/mL |
| Vancomycin (peak) | Any age | greater than 60 | mcg/mL |

| COAGULATION | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------|----------------------|
| ANALYTE | AGE RANGE | CRITICAL VALUE | UNITS |
| APTT | Any age | greater than 150 | seconds |
| Protime/ INR | less than 1 month | INR greater than 1.5 | |
| | equal to or older than 1 month | INR greater than 5.0 | |
| HEMATOLOGY | | | |
| ANALYTE | AGE RANGE | CRITICAL VALUE | UNITS |
| WBC | Any age | less than 1.0 greater than 37.0 | /mm ³ |
| Hemoglobin | less than 1 month | less than 8 greater than 23 | gm/dL gm/dL |
| | 1 month to 6 months | less than 6.5 greater than 19.9 | gm/dL gm/dL |
| | older than 6 months | less than 6.5 greater than 18.5 | gm/dL gm/dL |
| Hematocrit | less than 1 month | less than 25% greater than 70% | |
| | 1 month to 6 months | less than 19.5% greater than 60% | |
| | older than 6 months | less than 19.5 % greater than 56% | |
| Platelet Count | less than 1 month | less than 50 greater than 850 | thou/mm ³ |
| | equal to or older than 1 month | less than 20 greater than 850 | thou/mm ³ |
| ANC- Absolute Neutrophil Count | Any age | less than 0.5 | thou/mm ³ |
| RBC- Abnormal morph (new) | Any age | 3+ schistocytes | |
| RBC- Hemolytic morphology | Any age | 3+ spherocytes or sickle cells | |
| Leukemia, New Diagnosis of | Any age | Presence of Blasts | |
| Parasites, Blood Smear | Any age | Parasites present | |
| CSF WBC (Non-bloody Tap) | less than 1 year | greater than 20 | /mm ³ |
| | older than 1 year | greater than 10 | /mm ³ |
| CSF | Any age | Malignant cells, bacteria or Cryptococcus present | |
| MICROBIOLOGY | | | |
| Any positive blood culture. | | | |
| CSF: All positive gram stain and/or cultures. Positive bacterial or fungal antigens detected. | | | |
| Positive AFB stain or culture. | | | |
| Positive C.difficile | | | |
| MRSA: Inpatient specimens positive for MRSA by PCR methodology | | | |
| All positive body fluid or normally sterile site gram stains, including surgical cultures Sterile site culture is positive & gram stain was reported negative. | | | |
| REFERRALS | | | |
| STAT Inpatient or ED send out test that requires immediate testing- all results | | | |