

| BLOOD BANK | | | | |
|---------------------------------------|--------------------------------|--------------------------------------|----------------|--|
| ANALYTE | AGE RANGE | CRITICAL VALUE | UNITS | FREQUENCY OF NOTIFICATION |
| DAT- Direct Antiglobulin Test | Newborn | Positive | | Initial Value* |
| CHEMISTRY/THERAPEUTIC DRUGS | | | | |
| ANALYTE | AGE RANGE | CRITICAL VALUE | UNITS | FREQUENCY OF NOTIFICATION |
| Acetaminophen | Any age | greater than 40 | mcg/mL | Initial Value* |
| Bilirubin | Less than 1 month | greater than or equal to 15 | mg/dL | Initial Value* |
| Blood Gases | | | | |
| pH | | | | Initial Value* |
| Cord Blood (Arterial and Venous) | Newborn | Less than or equal to 7.0 | | Initial Value* |
| Base Deficit | | | | Initial Value* |
| Cord Blood (Arterial and Venous) | Newborn | Greater than or equal to 16.0 | | Initial Value* |
| pH | | | | Initial Value* |
| All Specimen Types, except Cord Blood | Any age | less than 7.2 greater than 7.6 | | Initial Value* |
| pO2 (Arterial or Capillary) | Any age | less than 40 | mm Hg | Initial Value* |
| pCO2 (Arterial or Capillary) | | | | Initial Value* |
| All Specimen Types, except Cord Blood | Any age | less than 20 greater than 70 | mm Hg | Initial Value* |
| HCO3 | | | | Initial Value* |
| All Specimen Types, except Cord | Any age | less than 10 greater than 45 | mEq/L | Initial Value* |
| Calcium | Any age | less than 6 greater than 14 | mg/dL | Initial Value* |
| Calcium- Ionized | Any age | less than 0.8 | mmol/L | Initial Value* |
| Carbamazepine (Tegretol) | Any age | greater than 12 | mcg/mL | Initial Value* |
| Creatine Kinase (CK) | Any age | greater than 10,000 | U/L | Initial Value* |
| Digoxin | Any age | greater than 3.0 | ng/mL | Initial Value* |
| Gentamicin- trough | Any age | greater than 2.0 | mcg/mL | Initial Value* |
| Glucose | Less than 1 month | less than 40 greater than 200 | mg/dL | Always |
| | Equal to or older than 1 month | less than 60 greater than 500 | mg/dL | Always except for Cascade Infusion physicians. If the results is between 500 - 800 mg/dl the result is not called and the CPV* code is used. |
| Lactic Acid | Any age | greater than 1.9 | mmol/L | Initial Value* |
| Lithium | Any age | greater than 2 | mEq/L | Initial Value* |
| Magnesium | Any age | less than 1.0 | mg/dL | Initial Value* |
| Phenobarbital | Any age | greater than 40 | mcg/mL | Initial Value* |
| Phenytoin (Dilantin) | Any age | greater than 25 | mcg/mL | Initial Value* |
| Phosphorus | Any age | less than 1.2 greater than 8.8 | mg/dL | Initial Value* |
| Phenytoin Free | Any age | greater than 2.5 | mcg/mL | Initial Value* |
| Potassium | Less than 1 month | less than 2.5 greater than 8.0 | mEq/L | Always |
| | Equal to or older than 1 month | less than 2.5 greater than 6.2 | mEq/L | Initial Value* |
| Protein, 24 hr. Urine | OB Patients | greater than 4999 | mg/24 hr. | Initial Value* |
| Sodium | Less than 1 month | less than 125 greater than 150 | mmol/L | Always |
| | Equal to or older than 1 month | less than 120 greater than 150 | mmol/L | Initial Value* |
| Salicylate | Any age | greater than 35 | mg/dL | Initial Value* |
| Syphilis IgG IgM | Inpatients | reactive | | Initial Value* |
| Syphilis RPR | Inpatients | reactive | | Initial Value* |
| Theophylline | Any age | greater than 25 | mcg/mL | Initial Value* |
| Tobramycin- trough | Any age | greater than 2.0 | mcg/mL | Initial Value* |
| Troponin T (High Sensitivity) | Any age | greater than 52 | ng/L | Initial Value* |
| Valproic Acid (Depakene) | Any age | greater than 125 | mcg/mL | Initial Value* |
| Vancomycin (peak) | Any age | greater than 60 | mcg/mL | Initial Value* |
| COAGULATION | | | | |
| ANALYTE | AGE RANGE | CRITICAL VALUE | UNITS | FREQUENCY OF NOTIFICATION |
| APTT | Any age | greater than 150 | seconds | Initial Value* |
| Protime/ INR | Less than 1 month | INR greater than 1.5 | | Always |
| | Equal to or older than 1 month | INR greater than 5.0 | | Initial Value* |
| HEMATOLOGY | | | | |
| ANALYTE | AGE RANGE | CRITICAL VALUE | UNITS | FREQUENCY OF NOTIFICATION |
| WBC | Any age | less than 1.0 greater than 37.0 | /mms | Initial Value* |
| Hemoglobin | Less than 1 month | less than 8 greater than 23 | gm/dL gm/dL | Always |
| | 1 month to 6 months | less than 6.5 greater than 19.9 | gm/dL gm/dL | Always |
| | Older than 6 months | less than 6.5 greater than 18.5 | gm/dL gm/dL | Initial Value* |
| Hematocrit | Less than 1 month | less than 25% greater than 70% | | Always |
| | 1 month to 6 months | less than 19.5% greater than 60% | | Always |
| | Older than 6 months | less than 19.5 % greater than 56% | | Initial Value* |
| Platelet Count | Less than 1 month | less than 50 greater than 850 | thou/mms | Always |
| | Equal to or older than 1 month | less than 20 greater than 850 | thou/mms | Initial Value* |

| | | | | |
|--------------------------------|-------------------|---|----------------------|----------------|
| ANC- Absolute Neutrophil Count | Any age | less than 0.5 | thou/mm ³ | Initial Value* |
| RBC- Abnormal morph (new) | Any age | 3+ schistocytes | | Initial Value* |
| RBC- Hemolytic morphology | Any age | 3+ spherocytes or sickle cells | | Initial Value* |
| Leukemia, New Diagnosis of | Any age | Presence of Blasts | | Initial Value* |
| Parasites, Blood Smear | Any age | Parasites present | | Initial Value* |
| CSF WBC (Non-bloody Tap) | Less than 1 year | greater than 20 | /mm ³ | Initial Value* |
| | Older than 1 year | greater than 10 | /mm ³ | Initial Value* |
| CSF | Any age | Malignant cells, bacteria or Cryptococcus present | | Initial Value* |

MICROBIOLOGY

Positive blood culture - Notify for the following: 1. Initial identification of the organism. 2. Additional notification is requested by the ordering provider. 3. The initial gram stain was negative. 3. The isolated organism does not match the gram stain. 4. The MLS deems it necessary.

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 and MRSA culture the first positive culture for that admission.

All positive body fluid or normally sterile site gram stains, including surgical cultures Sterile site culture is positive & gram stain was reported negative.

REFERRALS

Send out test that have a critical value are always called.

PREVIOUS IDENTIFIED CRITICAL RESULTS.

If there is documentation that a critical result has been previously reported, the repeat critical result is not called provided all the following conditions are met:

1. The RN or LIP was notified of the original critical result.
2. There is no significant change in the result.
3. The previous result (either initial or previous) was from the same admission.
4. There were no non-critical results since previous critical result