| Clinical Chemistry (Seru | | | | |
|--------------------------------|----------|---------|---------|-----------|
| Analyte | Unit | Low | High | Age Range |
| Bilirubin Total, Newborn | mg/dL | | >18 | 0-14 days |
| Calcium | mg/dL | < 6.0 | >13 | Any Age |
| Carbon Dioxide, Total | mmol/L | < 10 | >40 | Any Age |
| Glucose | mg/dL | < 40 | >500 | Any Age |
| Glucose, Newborn | mg/dL | < 30 | >300 | 0-14 days |
| Magnesium | mg/dL | < 1.0 | >8 | Any Age |
| Phosphate | mg/dL | < 1.0 | | Any Age |
| Potassium | mmol/L | < 2.8 | >6.2 | Any Age |
| Potassium Newborn | mmol/L | < 2.8 | >8 | 0-14 days |
| Sodium | mmol/L | < 120 | >160 | Any Age |
| | | | | |
| Clinical Chemistry Toxi | | (Sorum) | | |
| Analyte | Unit | | High | Age Range |
| Acetaminophen | ug/mL | Low | > 150.0 | |
| ····· | <u>v</u> | | > 80.0 | Any Age |
| Amikacin, Peak & Random | ug/mL | | >10 | Any Age |
| Amikacin, Trough | ug/mL | | | Any Age |
| Carbamazepine | ug/mL | | > 20.0 | Any Age |
| Digoxin | ng/mL | | > 3.0 | Any Age |
| Gentamicin, Peak & Random | ug/mL | | > 20.0 | Any Age |
| Gentamicin, Trough | ug/mL | | >5 | >18y |
| | | | >3 | 0-18y |
| Lidocaine | ug/mL | | > 9.0 | Any Age |
| Lithium | mmol/L | | > 2.00 | Any Age |
| Phenobarbital | ug/mL | | > 60.0 | Any Age |
| Phenytoin | ug/mL | | > 40.0 | Any Age |
| Salicylate | mg/dL | | > 30.0 | Any Age |
| Theophylline | ug/mL | | > 25.0 | Any Age |
| Tobramycin, Peak & Random | ug/mL | | > 20.0 | Any Age |
| Tobramycin, Trough | ug/mL | | >5 | >18y |
| | | | >3 | 0-18y |
| Valproic Acid | ug/mL | | > 200 | Any Age |
| Vancomycin, Peak &Random | ug/mL | | > 40.0 | Any Age |
| Vancomycin, Trough | ug/mL | | >20 | Any Age |

| Coagulation | | | | |
|---------------|-------------|----------------|------------------------------|------------------|
| Analyte | <u>Unit</u> | Low | <u>High</u> | <u>Age Range</u> |
| Activated PTT | sec | | > 100<u>120</u>.0 | Any Age |
| ADAMTS-13 | % | <u><</u> 10 | | Any age |
| PT INR | | | <u>≥</u> 4.0 | Any Age |
| Fibrinogen | mg/dL | <u>< 80</u> | <u>< 80</u> | Any Age |
| Hematology | | | | |

Inpatients & ED: The laboratory calls critical values the first time the limit is exceeded. Whenever a value falls outside the critical range and then becomes critical again, a new call is made.

Outpatients: The laboratory calls critical values the first time the limit is exceeded. A new call is made every 48 hours if the value for the test is critical.

<u>All patients:</u> If the HCT is less than 15% and/or platelets are less than 10,000/uL the results will be called <u>each time</u> the value of the test is critical.

| <u>Analyte</u> | <u>Unit</u> | Low | <u>High</u> | |
|------------------|--------------------------------|--|-------------|--|
| Hematocrit | % | < 20 | > 60 | |
| Hemoglobin | gm/dL | < 6.0 | > 20.0 | |
| Platelet Count | per uL | < 30,000 | > 1,000,000 | |
| White Cell Count | per uL | < 1,000 | > 30,000 | |
| White Cell Diff | < 500 Neutrophils 1000 /uL. | < 500 Neutrophils /uL when the WBC is greater than 1000 /uL. | | |
| Blast Cells | >4% from outpatie | ent/ emergency roon | n patients | |

When smears indicate that a platelet count is markedly decreased (less than 30,000/uL), but no platelet count was ordered, a platelet count is automatically performed and called as a Critical Value if less than 30,000/uL and the inpatient's previous platelet count was not critical or the outpatient's previous platelet count was not critical or not called in the past 48 hours.

Intracellular organisms and intracellular and extracellular parasites in: blood, CSF, pericardial fluid, peritoneal fluid (paracentesis), pleural fluid, synovial fluid; intracellular and extracellular yeast and pneumocystis in BAL.

| Microbiology | | | | |
|--|---|---|--|--|
| TALL UNION Y | | | | |
| Blood: Initial presence of organotification of additional posit gram stain morphology or organism | ive cultures wi | ll be made within | 3 days of the first | |
| Bone Marrow: Positive for or | ganisms by mi | croscopic examin | ation or culture gro | owth. |
| CSF: Positive for organisms b organism-specific nucleic acid Agglutination. Rapid Response Labora | (PCR) in CSF | | - | |
| | | | | |
| | | | | |
| Blood Gas - Whole Blood | | | | |
| Blood Gas - Whole Blood Analyte | Unit | Low | High | Age Range |
| | <u>Unit</u> - | <u>Low</u> <7.20 | <u>High</u> >7.60 | Age Range Any age |
| Analyte | <u>Unit</u> - - | | | |
| <u>Analyte</u> pH | <u>Unit</u> - - mmHg | <7.20 | | Any age |
| <u>Analyte</u> pH pH Cord Gas | - | <7.20 <7.00 | >7.60 | Any age Cord blood only |
| Analvte pH pH Cord Gas PCO2 | - - mmHg | <7.20 <7.00 <20 | >7.60 | Any age Cord blood only Any age |
| Analyte pH pH Cord Gas PCO2 PO2 (arterial) | - - mmHg mmHg | <7.20 <7.00 <20 <40 | >7.60 - >70 - | Any age Cord blood only Any age Any age |
| Analvte pH pH Cord Gas PCO2 PO2 (arterial) Glucose | - - mmHg mmHg mg/dL | <7.20 <7.00 <20 <40 <40 | >7.60 - >70 - >500 | Any ageCord blood onlyAny ageAny ageAny ageAny age |
| Analvte pH pH Cord Gas PCO2 PO2 (arterial) Glucose Sodium (Na) | - - mmHg mmHg mg/dL mEq/L | <7.20 <7.00 <20 <40 <40 <120 | >7.60 - >70 - >500 >160 | Any ageCord blood onlyAny ageAny ageAny ageAny ageAny ageAny ageAny age |
| Analyte pH pH Cord Gas PCO2 PO2 (arterial) Glucose Sodium (Na) Potassium (K) | - - mmHg mg/dL mEq/L mEq/L | <7.20 <7.00 <20 <40 <40 <120 <2.8 | >7.60 - >70 - >500 >160 | Any ageCord blood onlyAny ageAny ageAny ageAny ageAny ageAny ageAny ageAny ageAny ageAny age |