

Critical Values List

| Analyte | Priority | Less Than | Greater Than |
|---|---|--|-----------------------------------|
| CLINICAL CHEMISTRY | | | |
| Bilirubin, Total | RED | | 15.9 mg/dL |
| Calcium Ionized | YELLOW | 0.78 | 1.58 mg/dL |
| Calcium | RED | 6.0 | 12.7 mg/dL |
| CO2 | YELLOW | 15 | 40 mmol/L |
| Glucose | RED | 40 | 500 mg/dL |
| Magnesium | YELLOW | 1.0 | 4.9 mg/dL |
| Phosphorous | YELLOW | 1.0 | 8.9 mg/dL |
| Potassium | RED | 2.8 | 6.2 mmol/L |
| Sodium | RED | 120 | 155 mmol/L |
| PCO2 | YELLOW | 20 | 60 mm HG |
| PO2 | YELLOW | 40 | 200 mm HG |
| PH | YELLOW | 7.250 | 7.550 pH |
| HEMATOLOGY AND COAGULATION | | | |
| Platelet Count | RED | 50 K/uL | 800 K/uL |
| WBC's | YELLOW | 2.0 K/uL | 30.0 K/uL |
| Absolute Neutrophils | YELLOW | 0.5 K/uL | |
| Hemoglobin | RED | 7.0 g/dL | 20.0 g/dL |
| HCT (Hematocrit) | YELLOW | 24 % | 60 % |
| INR | RED | | 4.9 |
| PTT | RED | | 99 Seconds |
| Urine Ketones | YELLOW | | 80 mg/dL if child <4 months old |
| Urine Glucose | YELLOW | | 1000 mg/dL if child <4 months old |
| MICROBIOLOGY | | | |
| Blood Culture or CSF | RED | Positive | |
| Gram Stain | RED | Positive on CSF Smear. CS Culture, or other sterile body site Positive | |
| AFB Smear or Culture | YELLOW | | |
| Genital Herpes Culture | YELLOW | Positive for Herpes if female of child bearing years. | |
| TOXICOLOGY/TDM's | | | |
| Carbamazepine | YELLOW | | 14 µg/mL |
| Lithium | YELLOW | | 1.8 mmol/L |
| Gentamicin, PEAK | YELLOW | | 11.9 µg/mL |
| Gentamicin, TROUGH | YELLOW | | 1.9 µg/mL |
| Gentamicin, Random | YELLOW | | 11.9 µg/mL |
| Digoxin | YELLOW | | 2.4 ng/mL |
| Dilantin | YELLOW | | 29 µg/mL |
| Theophylline | YELLOW | | 19 µg/mL |
| Tobramycin, PEAK | YELLOW | | 11.9 µg/mL |
| Tobramycin, TROUGH | YELLOW | | 1.9 µg/mL |
| Valproic Acid | YELLOW | | 149 µg/mL |
| Vancomycin, PEAK | YELLOW | | 39 µg/mL |
| Vancomycin, TROUGH | YELLOW | | 14.9 µg/mL |
| TESTS THAT NEED FOLLOW UP | | | |
| All Cultures | Any pathogen listed on the State Health Lab reporting list. | | |
| Any Abnormal Coagulation on a pre-surgery patient MUST be called. | | | |
| Pre-Surgery PT | | | > 13.8 Seconds |
| Pre-Surgery PTT | | | > 35 Seconds |
| Pre-Surgery PFT, EPI | | | > 112 Seconds |

***Out-patient Only** Testing Sites may modify or include site specific values and attach.