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## Critical Values Table

| Test Name | Unit of Measure | Age | Critical LOW | Critical HIGH |
|---|---|---|---|---|
| Ammonia | umol/L | All | <2** | >200 |
| Bilirubin, total | mg/dL | ≤1 day | | ≥8 |
| | | 2 days | | ≥13 |
| | | 3 days | | ≥16 |
| | | 4 days | | ≥17 |
| | | 5-30 days | | ≥12 |
| | | >30 days | | ≥15 |
| BUN | mg/dL | ≤17 yrs | | ≥50 |
| Calcium | mg/dL | All | ≤6 | ≥14 |
| CPK | ng/mL | All | | >499 |
| CO2 | mmol/L | All | <11 | >39 |
| Cortisol | ug/dL | All | <2** | |
| Creatinine | mg/dL | ≤17 yrs | | ≥2.0 |
| C-Reactive Protein (CRP) | mg/L | ≤21 yrs | | ≥30 |
| Depakene (Valproic Acid) | ug/mL | All | | ≥200 |
| Glucose, serum | mg/dL | ≤30 days | ≤30 | ≥300 |
| | | 31 days-17 yrs | ≤40 | ≥300 |
| | | ≥18 yrs | ≤40 | ≥500 |
| Glucose tolerance, plasma (NAFL grey) | mg/dL | All | ≤40 | ≥700 |
| Hematocrit | % | <30 days | <20 | >74 |
| | | ≥30 days | <20 | >60 |
| Hemoglobin | g/dL | <30 days | <7 | >24 |
| | | ≥30 days | <7 | >20 |
| INR | seconds | All | | >4.5 |
| Magnesium | mg/dL | All | ≤1 | ≥4.0 |
| Partial Thromboplastin Time (PTT) | seconds | All | 0 | ≥50 |
| Phosphorus (Inorganic) | mg/dL | All | ≤1.2 | ≥8.9 |
| Platelets | x 10^3/uL | All | <50 | >700 |
| Potassium | mmol/L | All | ≤2.5 | ≥6.5 |

| Test Name | Unit of Measure | Age | Critical LOW | Critical HIGH |
|---|---|---|---|---|
| RBC | x 10^6 | ≤3 days | <2 | ≥7.5 |
| | | >4 days | <2 | >7 |
| Sodium | mmol/L | All | ≤120 | ≥160 |
| WBC | x 10^3/uL | ≤3 days | <2 | >35 |
| | | >4 days | <2 | >25 |

***Treated as a "significant" (not critical) value.**

| Qualitative or Non-numeric Critical values at The Pathology Laboratory |
|---|
| Positive blood culture |
| Positive bone or tissue gram stain and/or culture |
| Positive CSF gram stain and/or culture |
| Positive sterile body fluids culture and/or gram stain<br>*(joint, pericardial, pleural, peritoneal, or any other sterile sites)* |
| Positive *C. auris* identification |
| Positive *C. difficile* and meets clinical signs of *C. difficile* infection (**loose or liquid** stool); |
| *- If positive on **formed** stool, treated as "significant" (not critical)*** |
| Positive comprehensive stool culture |
| Positive *Campylobacter* antigen |
| Positive *Cryptosporidium* antigen |
| Positive *Giardia* antigen |
| Positive *Shiga toxin* antigen |
| Positive worm, tick, mite, or arthropod identification treated as "significant" (not critical)** |
| Positive HIV |
| Positive Vancomycin Resistant Enterococci (VRE) |

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