# CRITICAL VALUE LIST

## HEMATOLOGY

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Low</th>
<th>High</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HGB</td>
<td>6.5</td>
<td></td>
<td>G/DL</td>
</tr>
<tr>
<td>HCT</td>
<td>19.0</td>
<td></td>
<td>%</td>
</tr>
<tr>
<td>WBC *initial per stay</td>
<td>2.0</td>
<td>50.0</td>
<td>K/CMM</td>
</tr>
<tr>
<td>PLATELET *initial per stay</td>
<td>40</td>
<td>1000</td>
<td>K/CMM</td>
</tr>
<tr>
<td>SCHISTOCYTE</td>
<td>3+</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BLAST CELLS, BLOOD</td>
<td>5</td>
<td></td>
<td>%</td>
</tr>
<tr>
<td>BLAST CELLS, CSF</td>
<td>1</td>
<td></td>
<td>%</td>
</tr>
</tbody>
</table>

## COAGULATION

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Low</th>
<th>High</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR</td>
<td>&gt;5.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APTT *Inpatient</td>
<td></td>
<td>150</td>
<td>SEC</td>
</tr>
<tr>
<td>APTT *Outpatient</td>
<td></td>
<td>60</td>
<td>SEC</td>
</tr>
<tr>
<td>FIBRINOGEN</td>
<td>100</td>
<td></td>
<td>MG/DL</td>
</tr>
</tbody>
</table>

## CHEMISTRY

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Low</th>
<th>High</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACETAMINOPHEN</td>
<td>250.1</td>
<td></td>
<td>MCG/ML</td>
</tr>
<tr>
<td>BILIRUBIN, TOTAL ≤ 6 MONTHS</td>
<td>15.1</td>
<td></td>
<td>MG/DL</td>
</tr>
<tr>
<td>CALCIUM</td>
<td>5.9</td>
<td>13.1</td>
<td>MG/DL</td>
</tr>
<tr>
<td>ETHANOL</td>
<td>400</td>
<td></td>
<td>MG/DL</td>
</tr>
<tr>
<td>GLUCOSE ≤ 6 MONTHS</td>
<td>44</td>
<td>201</td>
<td>MG/DL</td>
</tr>
<tr>
<td>GLUCOSE &gt; 6 MONTHS</td>
<td>44</td>
<td>501</td>
<td>MG/DL</td>
</tr>
<tr>
<td>LACTATE *initial per stay</td>
<td>4.0</td>
<td></td>
<td>MMOL/L</td>
</tr>
<tr>
<td>MAGNESIUM</td>
<td>0.9</td>
<td>8.1</td>
<td>MEQ/L</td>
</tr>
<tr>
<td>PHOSPHORUS</td>
<td>1.0</td>
<td>9.1</td>
<td>MG/DL</td>
</tr>
<tr>
<td>SALICYLATE</td>
<td>400.1</td>
<td></td>
<td>MG/DL</td>
</tr>
<tr>
<td>SODIUM</td>
<td>119</td>
<td>161</td>
<td>MEQ/L</td>
</tr>
<tr>
<td>POTASSIUM</td>
<td>2.7</td>
<td>6.3</td>
<td>MEQ/L</td>
</tr>
<tr>
<td>HS-TROPONIN T</td>
<td>&gt; 50</td>
<td></td>
<td>NG/L</td>
</tr>
<tr>
<td>TROPONIN I (ISTAT BACKUP)</td>
<td>≥ 0.05</td>
<td></td>
<td>NG/ML</td>
</tr>
</tbody>
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## THERAPEUTIC DRUGS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Low</th>
<th>High</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIGOXIN</td>
<td>&gt;2.5</td>
<td></td>
<td>NG/ML</td>
</tr>
<tr>
<td>DILANTIN</td>
<td>&gt;35.0</td>
<td></td>
<td>MCG/ML</td>
</tr>
<tr>
<td>LITHIUM ≤ 65 YEARS</td>
<td>≥1.5</td>
<td></td>
<td>MEQ/L</td>
</tr>
<tr>
<td>LITHIUM &gt; 65 YEARS</td>
<td>≥1.3</td>
<td></td>
<td>MEQ/L</td>
</tr>
<tr>
<td>CARBAMAZEPINE</td>
<td>&gt;15.0</td>
<td></td>
<td>MCG/ML</td>
</tr>
<tr>
<td>VALPROIC ACID</td>
<td>&gt;150.0</td>
<td></td>
<td>MCG/ML</td>
</tr>
<tr>
<td>VANCOMYCIN, RANDOM</td>
<td>&gt;50.0</td>
<td></td>
<td>MCG/ML</td>
</tr>
<tr>
<td>VANCOMYCIN, TROUGH</td>
<td>&gt;30.0</td>
<td></td>
<td>MCG/ML</td>
</tr>
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## BLOOD GASES

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Low</th>
<th>High</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH</td>
<td>≤ 7.20</td>
<td>≥ 7.60</td>
<td></td>
</tr>
<tr>
<td>PCO2</td>
<td>≤ 20</td>
<td>≥ 70</td>
<td>MMHG</td>
</tr>
<tr>
<td>PO2</td>
<td>≤ 50</td>
<td></td>
<td>MMHG</td>
</tr>
<tr>
<td>THB</td>
<td>≤6.5</td>
<td></td>
<td>G/DL</td>
</tr>
<tr>
<td>HBCO</td>
<td>≥15.0</td>
<td></td>
<td>%</td>
</tr>
<tr>
<td>METHB</td>
<td>≥5.0</td>
<td></td>
<td>%</td>
</tr>
<tr>
<td>VENOUS</td>
<td>LOW</td>
<td>HIGH</td>
<td>UNITS</td>
</tr>
<tr>
<td>-----------------</td>
<td>-----</td>
<td>------</td>
<td>-------</td>
</tr>
<tr>
<td>PH</td>
<td>≤ 7.20</td>
<td>≥ 7.50</td>
<td></td>
</tr>
<tr>
<td>THB</td>
<td>≤ 6.5</td>
<td></td>
<td>G/DL</td>
</tr>
<tr>
<td>HBCO</td>
<td></td>
<td>≥ 15.0</td>
<td>%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VENOUS CORD</th>
<th>LOW</th>
<th>HIGH</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH</td>
<td>≤ 7.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**BLOOD BANK**
- **INCOMPATIBLE CROSSMATCH**
- **POSITIVE ANTIBODY SCREEN - IF RELEVANT TO OBTAINING COMPATIBLE CROSSMATCH.**
- **POSITIVE DIRECT ANTIGLOBULIN TEST (COOMBS)**

**MICROBIOLOGY**
- **POSITIVE BLOOD CULURE GRAM STAIN**
- **POSITIVE CSF (ANY BODY FLUID FROM A STERILE SITE) GRAM STAIN**
- **POSITIVE C.DIFF- Courtesy call**

**MOLECULAR**
- **POSITIVE ANAPLASMA PHAGOCYTOPHILIAM PCR**
- **POSITIVE BABESIA MICROTI PCR**
- **POSITIVE SARS-COV-2 PCR - Courtesy call**
- **POSITIVE PRE-OP MRSA PCR – Courtesy call**
- **POSITIVE GRP B STREP PCR - Courtesy call**

Reviewed and Revised by the Medical Staff 10/97
Reviewed with no revision by Medical Staff 3/2011
Reviewed and Revised by the Medical Staff 4/2012
Reviewed and Revised by the Medical Staff 3/13/2015