

## Critical Values (Automatic Call-Back)

| <b>TEST</b>   | <b>LOW</b>   | <b>HIGH</b>          |
|---|--------------|----------------------|
| <b>Blood Bank</b><br>Hemolytic Transfusion Reaction |              | All Results Called   |
| <b>Chemistry</b>                                    |              |                      |
| Acetaminophen                                       |              | >150 µg/mL           |
| Alcohol   |              | >0.30 g%             |
| Bilirubin, Neonatal                                 |              | >15 mg/dL            |
| Calcium (Adjusted)                                  | <7.0 mg/dL   | >12.0 mg/dL          |
| Calcium (Non-Adjusted)                              | <7.0 mg/dL   | >12.0 mg/dL          |
| Carboxyhemoglobin<br>(Carbon Monoxide)              |              | >20%                 |
| Carbamazepine (Tegretol)                            |              | >14 µg/mL            |
| Digoxin   |              | >2.5 ng/mL           |
| Dilantin  |              | >20 µg/mL            |
| Gentamycin, Peak                                    |              | >12 µg/mL            |
| Gentamycin, Trough                                  |              | >2 µg/mL             |
| Glucose, Cerebrospinal Fluid                        | <30 mg/dL    |                      |
| Glucose   | <50 mg/dL    | ≥400 mg/dL           |
| Hepatitis B Surface Antigen                         |              | All Positive Results |
| Hepatitis C Virus                                   |              | All Positive Results |
| Iron  |              | >350 mg/dl           |
| Lithium   |              | >2.0 mmol/L          |
| Magnesium   | ≤1.0 mg/dL   | >5.0 mg/dL           |
| Osmolality, Serum                                   | <250 mOsm/kg | >325 mOsm/kg         |
| Osmolality, Urine                                   | <100         | >800mOsm/kg          |
| pH  | <7.2         |                      |
| Phenobarbital                                       |              | >50 µg/mL            |
| Potassium   | <2.8 mEq/L   | >6.0 mEq/L           |
| Salicylate  |              | >30 mg/dL            |
| Sodium  | <120 mEq/L   | >160 mEq/L           |
| T4, Total (Except Babies)                           | <2.0 µg/dL   | >14 µg/dL            |
| Theophylline  |              | >20 µg/mL            |
| Tobramycin, Peak                                    |              | >12 µg/mL            |
| Tobramycin, Trough                                  |              | >2 µg/mL             |
| Troponin I  |              | >0.4 ng/mL           |
| Valproic Acid (Dilantin)                            |              | >100 µg/mL           |
| Vancomycin, Peak                                    |              | >60 µg/mL            |
| Vancomycin, Trough                                  |              | ≥15 µg/mL            |

| <b>TEST</b>                                   | <b>LOW</b>  | <b>HIGH</b>   |
|---|-------------|---|
| <b>Hematology/Coagulation</b>                 |             |   |
| D-Dimer                                       |             | Positive  |
| DIC Panel                                     |             | All Results Called  |
| Differential (CBC)                            |             | Polymorphonuclear Leukocytes with Microorganisms<br>Blasts<br>Significant Number of Abnormal Cells with No Previous History<br>≥3 Nucleated RBC in an Adult |
| Fibrinogen                                    | ≤100 mg/dL  |   |
| Hematocrit                                    | ≤20.0%      |   |
| Hematocrit (Pre-Op with No Crossmatch Orders) | ≤30.0%      |   |
| Hemoglobin                                    | ≤7.0 g/dL   |   |
| Hemoglobin (Pre-Op with No Crossmatch Orders) | ≤10.0 g/dL  |   |
| INR   |             | >5.0  |
| Malarial Smear                                |             | Positive  |
| Platelet Count                                | ≤70,000/cmm | ≥1,000,000/cmm  |
| PT (Prothrombin Time)                         |             | >54.3 Seconds   |
| PTT   |             | ≥100 Seconds  |
| WBC   | <2,000/cmm  | >30,000/cmm   |
| <b>Microbiology</b>                           |             |   |
| Culture, Blood (Bottle System)                |             | All Positives   |
| Neisseria gonorrhoeae                         |             | All Positives   |
| Smear, or Culture CSF                         |             | All Positives   |
| Smear, Tuberculosis                           |             | All Positives   |
| <b>Urinalysis</b>                             |             |   |
| Ketone (Newborn)                              |             | >Trace  |
| Microscopic Examination                       |             | Casts (RBC, WBC, Waxy)  |