***Physician Critical Values***

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| **Test** | **Low** | **High** |
| Acetaminophen, Serum |  | >50 mcg/mL |
| Acetone, Serum |  | 100 mg/dL |
| Amylase, Plasma |  | >2,000 Units/L\* |
| Anion Gap, Calculated |  | >25 mmol/L |
| Anti Factor XA, PlasmaLow molecular weight heparin (LMWH) |  | >2.0 IUnits/mL |
| Blood Gas, Arterial, Blood CO2 content (calculated) pCO2pHpO2 | <10 mmol/L<8 mm Hg <7.20<40 mm Hg | >45 mmol/L>75 mm Hg>7.60 |
| Blood Gas, Venous, Blood CO2 content (calculated) pCO2pHpO2 | <10 mmol/L<8 mm Hg<7.20<20 mm Hg | >45 mmol/L>75 mm Hg>7.60 |
| Calcium, Ionized, Blood | <3.2 mg/dL | >7.0 mg/dL |
| Calcium, Ionized, Plasma | <3.2 mg/dL | >7.0 mg/dL |
| Calcium, Total, Plasma | <6.5 mg/dL | >14.0 mg/dL |
| Carbamazepine (Tegretol®), Plasma |  | >13 mcg/mL |
| Chloride, Blood | <75 mmol/L | >130 mmol/L |
| Chloride, Plasma | <75 mmol/L | >130 mmol/L |
| CO2, Total, Plasma | <10 mmol/L | >45 mmol/L |
| Complete Blood Count (CBC), BloodAbsolute NeutrophilHemoglobinInpatientsOutpatientsPlateletsInpatientsOutpatientsWhite Blood Cell (WBC) CountInpatientsOutpatients |  <0.5 K/cumm<6.8 g/dL<6.8 g/dL<20 K/cumm<50 K/cumm<1.0 K/cumm<1.0 K/cumm |  >20.0 g/dl >20.0 g/dl >1,000,000 K/cumm >1,000,000 K/cumm  >50.0 K/cumm |
| Complete Blood Count (CBC), ExpressHemoglobinInpatientsOutpatientsPlateletsInpatientsOutpatientsWhite Blood Cell (WBC) CountInpatientsOutpatients | <6.8 g/dL<6.8 g/dL<20 K/cumm<50 K/cumm<1.0 K/cumm<1.0 K/cumm |  >20.0 g/dl >20.0 g/dl >1,000,000 K/cumm >1,000,000 K/cumm>50.0 K/cumm |
| Creatine Kinase (CK), Total, Plasma |  | >10,000 Units/L\* |

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| **Test** | **Low** | **High** |
| Creatine Kinase MB (CK-MB) Profile, PlasmaCK-MBCK, Total |  | >8 ng/mL\*>10,000 Units/L\* |
| Culture, Routine, Blood |  | Initial positive culture per admission |
| Digoxin, Plasma |  | >2.4 ng/mL |
| Electrolyte Panel, BloodCO2 content (calculated) | <10.0 mmol/L | >45 mmol |
| Ethanol, Serum |  | >300 mg/dL |
| Ethylene Glycol, Serum |  | Any detectable amount(level of detection is >4 mg/dL) |
| Fibrinogen, Plasma | <100 mg/dL |  |
| Gentamicin, Peak, Plasma |  | >21 mcg/mL |
| Gentamicin, Random, Plasma |  | >21 mcg/mL |
| Gentamicin, Trough, Plasma |  | >2.1 mcg/mL |
| Glucose, Blood | <50 mg/dL | >450 mg/dL |
| Glucose, Cerebrospinal Fluid (CSF) | <20 mg/dL |  |
| Glucose, Plasma | <50 mg/dL | >450 mg/dL |
| Glutethimide (Doriden®), Serum |  | >10 mg/L |
| Hemoglobin Saturation Battery, Arterial, BloodCarboxyhemoglobinHemoglobin, totalMethemoglobinOxyhemoglobin | <4.0 g/dL<70% | >20%>5.0% |
| Hemoglobin Saturation Battery, Venous, BloodCarboxyhemoglobinHemoglobin, totalMethemoglobinOxyhemoglobin | <4.0 g/dL<70% | >20%>5.0% |
| Ketones, Semi-Quantitative, Plasma |  | >1:128 |
| Lactic Acid, Plasma |  | >4.0 mmol/L |
| Lactic Acid, Whole Blood |  | >4.0 mmol/L |
| Lidocaine, Serum |  | >6.0 mcg/mL |
| Lipase, Plasma |  | >600 Units/L\* |
| Lithium, Serum |  | >1.5 mmol/L |
| Magnesium, PlasmaNon-labor and delivery patientsLabor and delivery patients | <0.7 mg/dL<0.7 mg/dL | >4.8 mg/dL>7.3 mg/dL |
| Methotrexate, Plasma |  | >5.0 mcmol/L |
| Morphologic Examination, Blood |  | Presence of blasts(not previously reported) |
| Myoglobin, Urine |  | >5,000 ng/mL |

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| **Test** | **Low** | **High** |
| Osmolality, Serum | <260 mOsm/kg | >330 mOsm/kg |
| Partial Thromboplastin Time (PTT), 50:50 Mix, Plasma |  | >150 seconds |
| Partial Thromboplastin Time (PTT), Plasma |  | >150 seconds |
| Phenobarbital, Plasma |  | >60 mcg/mL |
| Phenytoin, Total, Plasma |  | >30 mcg/mL |
| Potassium, Blood | <2.5 mmol/L | >6.2 mmol/L |
| Potassium, Plasma | <2.5 mmol/L | >6.2 mmol/L |
| Protein, Cerebrospinal Fluid (CSF) |  | >200 mg/dL |
| Prothrombin Time (PT), 50:50 Mix, Plasma |  | >5.0 INR straight and 50:50 |
| Prothrombin Time (PT), PlasmaINR |  | >5.0 INR |
| Reducing Substances, UrinePediatric |  | Any positive |
| Salicylate, Serum |  | >20 mg/dL |
| Sodium, Blood | <120 mmol/L | >160 mmol/L |
| Sodium, Plasma | <120 mmol/L | >160 mmol/L |
| Theophylline, Plasma |  | >25 mcg/mL |
| Thrombin Time, Plasma |  | >30 seconds on correction |
| Tobramycin, Peak, Plasma |  | >21 mcg/mL |
| Tobramycin, Random, Plasma |  | >21 mcg/mL |
| Tobramycin, Trough, Plasma |  | >2.1 mcg/mL |
| Troponin I, Plasma |  | >0.25 ng/mL\* |
| Valproic Acid, Plasma |  | >200 mcg/mL |
| Vancomycin, Peak, Plasma |  | >50.0 mcg/mL |
| Vancomycin, Random, Plasma |  | >21.0 mcg/mL |
| Vancomycin, Trough, Plasma |  | >21.0 mcg/mL |
| \***Note:** Initial alert value is called. Subsequent values within 48 hours are not called but these values will be modified with comment “Previous Alert Value noted and called to Patient Care Area”. |