

LIFE THREATENING VALUES LIST

DMC University Laboratories telephone clients when test results are significantly abnormal (critical).

All “Life-threatening & Critical Values” will be phoned to the physician as soon as possible 24 hours per day and 7 days a week.

Physician/Clinic Requirement: The physician must have a valid phone number, pager, or answering service available to receive phone calls with critical and life threatening values.

LIFE THREATENING LIST: This list *cannot* be modified & will be called 24/7.

| Test Name | Critical Value | Reference Range |
|---------------------------|----------------------------------------|------------------------------------------------|
| Blood Culture | Positive | Negative |
| Calcium | <6.0 mg/dl | 8.6-10.8 mg/dl |
| CSF Culture or gram stain | Positive | Negative |
| Digoxin | >2.5 ng/dl | 0.9-2.0 ng/dl |
| Glucose | <40 mg/dl or >600 mg/dl | 75-105 mg/dl |
| Hemoglobin | ≤7 g/dl | Male: 13.3-17.1 g/dl Female: 11.5-15.1 g/dl |
| Platelets | <50,000 k/cumm | 150-450,000 k/cumm |
| Potassium | ≤3.0 or ≥7.0 mmol/l (non-hemolyzed) | 3.5-5.1 mmol/l |
| Quinidine | >10 ug/ml | 1.5-4.5 ug/ml |
| Salicylate | >30 mg/dl | 0.2-30.0 mg/dl |
| Sodium | <100 mmol/l | 136-145 mmol/l |

NON LIFE THREATENING CRITICAL VALUES LIST

This list *may* be modified in value and callback time. If no modifications are made, they will be called 24/7.

Custom Modifications per Physician:

- Please see your Sales Representative for the necessary paperwork to sign that you agree to the custom changes.

- If you have customized callback values, please annually review your list, with your Sales Representative or Sales Technical Service Representative, to make sure that your values are correct and up-to-date.

| CRITICAL VALUES | | |
|-----------------------------------------------------------------|------------------------------------------------|-----------------------------------------------|
| Test Name | Critical Value | Reference Range |
| Acetaminophen | >50 ug/ml | 10-25 ug/ml |
| Amikacin: Peak Trough | ≥30 ug/ml >10 ug/ml | 25-35 ug/ml <8.0 ug/ml |
| Amitriptyline Amitriptyline & Nortriptyline Nortriptyline | 0.0 and >400 ng/ml ≥400 ng/ml >300 ng/ml | 120-250 ng/ml 95-250 ng/ml 50-150 ng/ml |
| Amylase | >300 U/L | 29-103 U/L |
| Bilirubin, Neonatal | ≥12 mg/dL | 0.3-12.0 mg/dL |
| Bilirubin, Total | >12 mg/dL | 0.3-1.0 mg/dL |
| BUN | >60 mg/dL | 7-25 mg/dL |
| Calcium, Total | <7 or >12 mg/dL | 8.6-10.8 mg/dL |
| Calcium, Ionized | <0.9 or >1.5 mmol/L | 1.13-1.32 mmol/L |
| Carbamazepine: Free Total | ≥4 ug/ml >15 ug/ml | 2-3 ug/ml 4-12 ug/ml |
| Carbon Dioxide (venous) | <10 or >40 mmol/L | 21-31 mmol/L |
| Chloride | <80 or >120 mmol/l | 98-107 mmol/L |
| CK | >700 u/L | 30-233 u/L |
| Creatinine (serum) | ≥3 mg/dL | Male: 0.7-1.3 mg/dL Female: 0.6-1.2 mg/dL |
| Cyanide | >50 ug/dL | 0-20 ug/dL |
| Diazepam | >3 ug/ml | 0.2-1.0 ug/ml |
| Digitoxin | >35 ng/ml | 10-32 ng/ml |
| Digoxin | >2.5 ng/ml | 0.9-2.0 ng/ml |
| Disopyramide | >7.0 ug/ml | 2.0-5.0 ug/ml |
| Doxepin & Nordoxepin | >500 ng/ml | 100-300 ng/ml |
| Ethosuximide | >200 ug/ml | 40-100 ug/ml |
| Fibrinogen | <100 or >800 mg/dL | 192-496 mg/dL |
| Flurazepam | >.20 ug/ml | 0.01-0.14 ug/ml |
| Gentamicin: Peak Trough | ≥14 ug/ml >2 ug/ml | 5-10 ug/ml 1-2 ug/ml |
| Glucose | <50 or >350 mg/dL | 75-105 mg/dL |

| CRITICAL VALUES continued | | |
|----------------------------------|----------------------------------------------------------|------------------------------------------------|
| Test Name | Critical Values | Reference Range |
| Hematocrit | ≤ 18 or $\geq 60\%$ ≤ 18 or $\geq 60\%$ | Male: 38.9-49.7% Female: 34.4-44.2% |
| Hemoglobin | ≤ 7 or ≥ 20 g/dL ≤ 7 or ≥ 20 g/dL | Male: 13.3-17.1 g/dL Female: 11.5-15.1 g/dL |
| Imipramine & Desipramine (total) | >400 ng/ml (total) | 150-350 ng/ml |
| Lead | >44 ug/dL | <10 ug/dL |
| Lidocaine | >9 ug/ml | 1.2-5.0 ug/ml |
| Lithium | >2.0 mmol/l | 1.0-1.2 mmol/l |
| Lorazepam | >300 ng/ml | 50-240 ng/ml |
| Magnesium | <1 or >6 mg/dL | 1.9-2.7 mg/dL |
| Meprobamate | >40 ug/ml | 5-20 ug/ml |
| Osmolality | <270 or >320 mosm/kg | 275-305 mosm/kg |
| PH | <7.2 or >7.6 | 7.3-7.4 |
| Phenobarbital, Total | >50 ug/ml | 10.0-40.0 ug/ml |
| Phenytoin: Free | 0.0 or >4 ug/ml | 1.0-2.0 ug/ml |
| Total | >30 ug/ml | 10-20 ug/ml |
| Platelet | <50 or >1000 k/cumm | 150-450 k/cumm |
| Potassium | <3 or >6.5 mmol/l | 3.5-5.1 mmol/l |
| Primidone, Total | >15 ug/ml | 5.0-12.0 ug/ml |
| Procainamide & NAPA | | |
| Procainamide | ≥ 12.1 ug/ml | 4.0-10.0 ug/ml |
| n-Acetyl Procainamide | >35.1 ug/ml | 6.0-20.0 ug/ml |
| Protriptyline (Vivactil) | >400 ng/ml | 70-240 ng/ml |
| PT | >34.9 seconds | 9.4-11.7 seconds |
| INR | >3.18 | 0.89-1.10 |
| PTT | >80.1 seconds | 23.1-33.1 seconds |
| PCO ₂ (arterial) | <20 or >70 mmHg | 36-45 mmHg |
| PO ₂ (arterial) | <39 | 40-60 mmHg |
| Quinidine | >10 ug/ml | 1.5-4.5 ug/ml |
| Reptilase Time | ≥ 30 seconds | 16-22 seconds |
| Salicylate | >30 mg/dL | 0.2-30.0 mg/dL |
| Sodium | <120 or >160 mmol/l | 136-145 mmol/l |
| Theophylline | ≥ 30 ug/ml | 10-20 ug/ml |
| Tobramycin: Peak | >12 ug/ml | 4.0-8.0 ug/ml |
| Trough | >2 ug/ml | 1.0-2.0 ug/ml |
| Troponin I | ≥ 0.2 ng/ml | <0.03 ng/ml |
| Uric Acid | >12 mg/dL | 2.3-7.6 mg/dL |
| Valproic Acid, Total | >100 ug/ml | 50-100 ug/ml |
| Vancomycin: Peak | ≥ 80.1 ug/ml | 25-40 ug/ml |
| Trough | ≥ 30.1 ug/ml | 8-20 ug/ml |
| WBC | <1.5 or >15.0 k/cumm | 3.5-10.6 k/cumm |

Culture/PCR/Misc Critical Values

| CRITICAL VALUES | | |
|---------------------------------------|--------------------------------------------------------------------------------|---------------------------|
| Test Name | Critical Value | Reference Range |
| Acid Fast Culture | Positive | Negative |
| Acid Fast Smear | Positive | Negative |
| BK PCR | Positive detected >250 copies/ml | Negative (<250 copies/ml) |
| C Difficile Toxin PCR | Positive | Negative |
| Cryptococcal Ag (blood) | Positive | Negative |
| CMV PCR | Positive detected >250 copies/ml | Negative (<250 copies/ml) |
| EBV PCR | Positive detected >120 copies/ml | Negative (<120 copies/ml) |
| Enterovirus PCR | Positive | Negative |
| Herpes Culture <6 months | Positive | Negative |
| HSV PCR | Positive | Negative |
| Influenza Antigen | Positive | Negative |
| Malaria Smear | Positive | Negative |
| MTB PCR | Positive | Negative |
| RSV Antigen Rapid | Positive | Negative |
| Rotavirus, EIA | Positive | Negative |
| Stool Culture | Positive for Enteric Pathogen (ie. Campylobacter, Salmonella, Shigella) | Negative |
| Virus Culture (Not Herpes I or II) | Positive | Negative |
| VZV PCR | Positive | Negative |