

## Beaumont Laboratory

Dearborn – Farmington Hills – Grosse Pointe – Royal Oak – Taylor – Trenton – Troy – Wayne

### CRITICAL (PANIC) VALUES Outreach Nursing Homes

| CHEMISTRY                       |               | Greater Than | Less Than |
|---------------------------------|---------------|--------------|-----------|
| Ammonia (mcmol/L)               |               | 120          | --        |
| Amylase (U/L)                   |               | 300          | --        |
| BUN (mg/dL)                     |               | 50           | --        |
| Calcium (mg/dL)                 |               | 12           | 7         |
| Calcium, Ionized (mg/dL)        |               | 6.5          | 3         |
| Chloride (mmol/L)               |               | 130          | 76        |
| CK (U/L)                        |               | 500          | --        |
| Glucose (mg/dL)                 | >17 years     | 300          | 65        |
| Creatinine (mg/dL)              | 0-16 years    | 2.8          |           |
|                                 | >17 years     | 4.0          |           |
| Magnesium (mg/dL)               |               | 6            | 1         |
| Osmolality (mOsmol/kg)          |               | 320          | 240       |
| pH, Venous                      |               | 7.6          | 7.2       |
| Phosphorus (mg/dL)              |               | -            | 1         |
| Potassium (mmol/L)              | 4 mos - Adult | 6            | 3         |
| Sodium (mmol/L)                 | >17 years     | 150          | 125       |
| tCO <sub>2</sub> (mmol/L)       |               | 40           | 12        |
| Uric Acid (mg/dL)               |               | 15           | --        |
| Uric Acid – Rasburicase (mg/dL) |               | 15           | --        |
| <b>Toxicology/TDM</b>           |               |              |           |
| Carbamazepine (mcg/mL)          |               | 15           | --        |
| Digoxin (ng/mL)                 | 0-70 years    | 2.5          | --        |
|                                 | >70 years     | 2            | --        |
| Lithium (mmol/L)                |               | 1.5          | --        |
| Phenobarbital (mcg/mL)          |               | 50           | --        |
| Phenytoin (mcg/mL)              |               | 25           | --        |
| Salicylate (mg/dL)              |               | 30           | --        |
| Theophylline (mcg/mL)           |               | 25           | --        |
| Valproic acid (mcg/mL)          |               | 150          | --        |
| <b>Urinalysis</b>               |               |              |           |
| Ketones (mg/dL)                 |               | ≥15          | --        |

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| <b>MICROBIOLOGY</b>                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Critical values reported if test is positive on the following tests</b>                                                                                            |
| Acid-Fast smear, culture, PCR                                                                                                                                         |
| Blood culture - first positive finding                                                                                                                                |
| Blood parasite smear                                                                                                                                                  |
| Bordetella pertussis – culture or PCR                                                                                                                                 |
| Brain Abscess - smear or culture                                                                                                                                      |
| Brucella, Francisella, Bacillus anthracis, Yersinia pestis culture, Burkholderia mallei or pseudomallei, pox viruses, novel viruses                                   |
| Clostridium difficile                                                                                                                                                 |
| Coronavirus (COVID-19)                                                                                                                                                |
| CRE/MDR Organisms                                                                                                                                                     |
| Cryptococcal antigen                                                                                                                                                  |
| CSF positive – smear, culture or PCR for bacteria, fungi, or viruses                                                                                                  |
| Fungus (Blastomyces, Histoplasma, Coccidioides)                                                                                                                       |
| Gram stain (STAT)                                                                                                                                                     |
| Group A Strep (wound, skin, soft tissue) – culture or PCR                                                                                                             |
| Internal Organ Tissue – smear or culture (excludes GI and Autopsy specimens)                                                                                          |
| Legionella Ag, Strep. pneumoniae Ag                                                                                                                                   |
| N. gonorrhoeae culture, PCR (< 12 years)                                                                                                                              |
| Ova and parasite                                                                                                                                                      |
| Pneumocystis smear                                                                                                                                                    |
| Sterile Body Fluid smear or culture (includes amniotic, bone marrow, organ preservation, pancreatic pericardial, pleural, synovial, and ocular – aqueous or vitreous) |
| Stool culture, E. coli Shigatoxin                                                                                                                                     |
| Strep screen (STAT only)                                                                                                                                              |

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