

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 ₂ (mmol/L)	40	12
Uric Acid (mg/dL)	15	--
Uric Acid – Rasburicase (mg/dL)	15	--
Toxicology/TDM		
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	--
Urinalysis		
Ketones (mg/dL)	≥15	--

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MICROBIOLOGY
Critical values reported if test is positive on the following tests
Acid-Fast smear, culture, PCR
Blood culture - smear or culture
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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