

Beaumont Laboratory

Farmington Hills – Grosse Pointe – Royal Oak – Troy

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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HEMATOLOGY	Greater Than	Less Than
Hemoglobin (g/dL)	20	8
Platelets (bil/L)	1,000	30
WBC (bil/L)	20	2
Fibrinogen (mg/dL)	--	100
INR	≥ 3.1	--
PTT (sec)	110	--

MICROBIOLOGY
Critical values reported if test is positive on the following tests
Acanthamoeba/Naegleria culture
Acid-Fast smear, culture, PCR
Bacterial antigen test
Blood culture - smear or culture
Blood parasite smear
Bordetella pertussis – culture or PCR
Brain Abscess - smear or culture
Bronchoalveolar lavage - influenza, RSV
Brucella, Francisella, Bacillus anthracis, Yersinia pestis culture, Burkholderia mallei or pseudomallei, pox viruses, novel viruses
Clostridium difficile
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 (Shigella, Vibrio ≤ 18 years)
Stool culture, E. coli Shigatoxin
Strep screen (STAT only)

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