

Corewell Health East

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	--
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 - 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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