

Critical Values / Semi-Urgent Results List

PURPOSE

The purpose of this list is to identify the laboratory tests results that are classified as critically high, critically low, or semi-urgent by the Department of Laboratory Medicine and Pathology. This list pertains to testing that is performed in Rochester, Arizona, Florida, Mayo Clinic Health System (MCHS) and MCL performing sites.

NOTE: Not all the below mentioned tests are done in each facility. A few of the tests have differing values due to instrumentation/methodology differences and are noted with an *.

DEFINITION

A Critical Value / Critical Result is defined as: A value/result that represents a pathophysiological state at such variance with normal (expected values) as to be life-threatening unless something is done promptly and for which some corrective action could be taken.

NOTE: The critical values/results do not necessarily correspond directly with normal reference ranges, toxic ranges, or therapeutic ranges.

NOTE: In addition to the critical values identified on this list, critical alerts from testing referred to outside laboratories (non-Mayo) will be communicated to clients in accordance with notification standards once those performing laboratories notify Mayo.

A Semi-Urgent result is defined as: A result or finding, which can be unexpected or ambiguous, that does not pose an immediate health threat but has near term severe health consequences if not acknowledged and/or treated.

NOTE: Only the first instance of a specific situation is considered a semi-urgent result. Results classified as critical take precedent over a semi-urgent classification.

HEMATOLOGY CRITICAL VALUES

Test Report Name	Age	Critical Low	Critical High	Units
Activated Partial Thromboplastin Time, Plasma	Any	–	≥ 150	sec
Fibrinogen	Any	≤ 60	–	mg/dL
Hemoglobin	0 – 7 weeks	≤ 6.0	≥ 24.0	g/dL
	> 7 weeks	≤ 6.0	≥ 20.0	g/dL
INR (International Normalizing Ratio)	Any	–	≥ 5.0	
Leukocytes	Any	–	≥ 100.0	x10(9)/L
Absolute Neutrophil Count	Any	≤ 0.5	–	x10(9)/L
Neutrophils	Any	≤ 0.5	–	x10(9)/L
Platelets, Blood**	Any	≤ 40	≥ 1000	x10(9)/L
CSF White Blood Cell Count	Any	–	≥ 100.0	Cells/mcL

** All Platelet counts ≤ 10 in Arizona will be called at every occurrence.

HEMATOLOGY SEMI-URGENT RESULT

Test	Age	Semi-Urgent Result	Units
ADAMTS13 Activity	Any	10%	%

CHEMISTRY CRITICAL VALUES

Test Report Name	Age	Critical Low	Critical High	Units
Ammonia	≥ 1 yr	–	≥ 200	mcmol/L
	< 1 yr	–	≥ 100	mcmol/L
Bilirubin Total, Serum	< 1 yr	–	≥ 15.0	mg/dL
Calcium, Total	Any	≤ 6.5	≥ 13.0	mg/dL
Calcium, Ionized, Blood	< 1 yr	≤ 2.0	≥ 6.0	mg/dL
	≥ 1 yr	≤ 3.0	≥ 6.5	mg/dL
*Calcium, Ionized, Blood - Florida	< 1yr	≤ 3.0	≥ 5.5	mg/dL
(Deviation due to methodology difference)	≥ 1 yr	≤ 3.0	≥ 6.0	mg/dL
Carbon Monoxide (Carboxyhemoglobin Level)	Any	–	≥ 20	%
Creatinine, Blood/Plasma/Serum	1 day – 4 weeks	–	≥ 1.5	mg/dL
	5 weeks – 23 mos	–	≥ 2.0	mg/dL
	2 yrs – 11 yrs	–	≥ 2.5	mg/dL
	12 yrs – 15 yrs	–	≥ 3.0	mg/dL
	16 yrs – 17 yrs	–	≥ 10.0	mg/dL
Creatine Kinase, Total	Any	–	≥ 10,000	U/L
FT4 (Free Thyroxine)	< 50 yrs	–	≥ 7.8	ng/dL
	≥ 50 yrs	–	≥ 6.0	ng/dL
Glucose, Plasma/Serum	< 4 weeks	≤ 40	≥ 400	mg/dL
	≥ 4 weeks	≤ 50	≥ 400	mg/dL
Magnesium, Serum	Any	≤ 1.0	≥ 9.0	mg/dL
Osmolality	Any	≤ 190	≥ 390	mOsm/Kg
*pH (MCHS and AZ only)	Any	≤ 7.200	≥ 7.600	pH
*pCO ₂ , arterial (MCHS and AZ only)	Any	≤ 20.0	≥ 70.0	mmHg
*pO ₂ (MCHS and AZ only)	Any	≤ 40.0	–	mmHg
Phosphorus	Any	≤ 1.0	–	mg/dL
Potassium	Any	≤ 2.5	≥ 6.0	mmol/L
Sodium	Any	≤ 120	≥ 160	mmol/L

TOXICOLOGY / THERAPEUTIC DRUG MONITORING CRITICAL VALUES

Test Report Name	Age	Critical Low	Critical High	Units
Acetaminophen, S	Any	–	> 150 4 hours after dose	mcg/mL
Acetone (Volatile Screen), applies to all specimen types	Any	–	Any value detected	mg/dL
Amitriptyline and Nortriptyline, S	Any	–	> 500	ng/mL
Butalbital, S	Any	–	≥ 10	mcg/mL
Caffeine, S	Any	–	≥ 30	mcg/mL
Carbamazepine, Total, S	Any	–	≥ 15.0	mcg/mL
Carbamazepine, Free, S	Any	–	≥ 4.0	mcg/mL
Clomipramine + Norclomipramine, S	Any	–	> 450	ng/mL

TOXICOLOGY / THERAPEUTIC DRUG MONITORING CRITICAL VALUES CONTINUED

Test Report Name	Age	Critical Low	Critical High	Units
Cyanide, B	Any	–	≥ 2.0	mcg/mL
Desipramine, S	Any	–	>400	ng/mL
Digoxin, S	Any	–	≥ 4.0	ng/mL
Disopyramide, S	Any	–	≥ 7.0	mcg/mL
Doxepin and Nordoxepin, S	Any	–	> 500	ng/mL
Ethanol, Blood	Any	–	≥ 400	mg/dL
Ethanol, Serum	Any	–	≥ 400	mg/dL
Ethosuximide, S	Any	–	> 150	mcg/mL
Ethylene Glycol, S	Any	–	≥ 20	mg/dL
Imipramine and Desipramine, S	Any	–	> 400	ng/mL
Isopropanol (Volatile Screen), applies to all specimen types	Any	–	Any value detected	mg/dL
Lidocaine, S	Any	–	> 6.0	mcg/mL
Lead, Blood	0 – 15 yrs	–	≥ 20	mcg/dL
	≥ 16 yrs	–	≥ 70	mcg/dL
Lithium, S	Any	–	> 1.6	mmol/L
Methanol (Volatile Screen), applies to all specimen types	Any	–	Any value detected	mg/dL
Nortriptyline, S	Any	–	> 500	ng/mL
Phenobarbital, S	Any	–	≥ 60.0	mcg/mL
Phenytoin, Total, S	Any	–	≥ 30.0	mcg/mL
Phenytoin, Free, S	Any	–	≥ 2.5	mcg/mL
Primidone and Phenobarbital, S				
Primidone	Any	–	≥ 15.0	mcg/mL
Phenobarbital		–	≥ 60.0	mcg/mL
Procainamide, S				
Procainamide	Any	–	> 12	mcg/mL
N-Acetylprocainamide		–	≥ 40	mcg/mL
Quinidine, S	Any	–	≥ 6.0	mcg/mL
Salicylates, S	Any	–	≥ 50.0	mg/dL
Theophylline, S	Any	–	> 20	mcg/mL
Trimipramine, S	Any	–	> 500	ng/mL
Valproic Acid, Free and Total, S				
Free Valproic Acid	Any	–	> 30	mcg/mL
Total Valproic Acid		–	≥ 151	mcg/mL
Valproic Acid, Total, S	Any	–	≥ 151	mcg/mL

MICROBIOLOGY CRITICAL AND SEMI-URGENT RESULTS

Analyte	Test Method	Age	Specimen Source	Semi-Urgent	Critical
<i>Acanthamoeba sp.</i>	Molecular	Any	Any		X
	Culture	Any	Central Nervous System (CNS) / eye		X
Adenovirus	Molecular	<= 1 month	Respiratory Sources, Sources other than those below	X	
		Any	Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)		X
		Any	Plasma, Stool	X	
Any Fungal Organism	Culture	Any	Blood, Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)		X
<i>Arcobacter sp.</i>	Culture	Any	Any	X	
Astrovirus	Molecular	Any	Stool	X	
<i>B. pertussis</i> Ab, IgG, S	Serology	Any	Serum	X	
<i>Babesia spp.</i>	Smear	Any	Blood		X
<i>Babesia ssp.</i>	Molecular	Any	Blood		X
<i>Bacillus anthracis</i>	Culture	Any	Any		X
<i>Bartonella spp.</i>	Molecular	Any	Any	X	
			Fresh tissue or biopsy: heart valve, liver, lymph node, spleen, or skin tissue papule/lesion/nodule		
			Blood, CSF, Ocular		X
<i>Blastomyces</i> Ag, Quant EIA, U	Serology	Any	Urine		X
<i>Blastomyces</i> species complex	Culture and Molecular	Any	Any		X
<i>Bordetella parapertussis</i>	Molecular	Any	NP Swabs	X	
<i>Bordetella pertussis</i>	Culture	Age at collection: D0-D36	Any		X
		Age at collection: D36-Y120	Any	X	
	Molecular	0D-1M	NP Swabs		X
		Any	Nasopharyngeal swab	X	
<i>Borrelia miyamotoi</i>	Molecular	Any	CSF, Blood		X
<i>Borrelia ssp</i>	Molecular	Any	CSF, Synovial, Tissue	X	
			Blood		X
Brucella Ab, Agglutination, S	Serology	Any	CSF, Serum	X	
<i>Brucella</i> sp. (may become a select agent when speciated)	Culture	Any	Any		X
<i>Burkholderia mallei</i>	Culture and Molecular	Any	Any		X
<i>Burkholderia pseudomallei</i>	Culture and Molecular	Any	Any		X
<i>C. difficile</i>	Culture	Any	Any	X	
<i>C. difficile</i> toxin	Molecular	Any	Stool	X	
Calif Virus (LaCrosse) IgG and IgM, S	Serology	Any	Serum	X	
Calif (LaCrosse) Encep Ab Panel, CSF	Serology	Any	CSF	X	

MICROBIOLOGY CRITICAL AND SEMI-URGENT RESULTS CONTINUED

Analyte	Test Method	Age	Specimen Source	Semi-Urgent	Critical
Calif Virus (LaCrosse)	Molecular	Any	CSF		X
<i>Campylobacter</i> sp.	Culture	Any	Any	X	
	Molecular	Any	Stool	X	
<i>Candida auris</i>	Culture	Any	Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)		X
		Any	Non-critical sources (all other sources)	X	
Chikungunya IgM and IgG, Ab, S	Serology	Any	Serum	X	
Chikungunya virus	Molecular	Any	CSF		X
			Serum	X	
<i>Chlamydia pneumoniae</i>	Molecular	Any	Lower Respiratory	X	
<i>Chlamydia trachomatis</i>	Molecular	<=15 years	Any	X	
<i>Chlamydothrix pneumoniae</i>	Molecular	Any	NP Swabs	X	
<i>Clostridium botulinum</i>	Culture	Any	Any		X
<i>Coccidioides</i> sp.	Culture	Any	Any		X
	Molecular				X
<i>Corynebacterium diphtheriae</i>	Culture	Any	Any		X
<i>Coxiella burnetii</i> PCR	Molecular	Any	Fresh tissue or biopsy: lung, bone, liver, heart valve, aorta, or endocardium, blood, serum		X
<i>Coxiella burnetii</i> Antibodies	Serology	Any	Serum, CSF	X	
<i>Cronobacter (Enterobacter) sakazakii</i>	Culture	<=1 year	Any	X	
<i>Cryptococcus neoformans/gattii</i>	Molecular and Culture	Any	CSF		X
<i>Cryptosporidium</i> sp.	Molecular	Any	Stool	X	
<i>Cyclospora cayentanensis</i>	Molecular	Any	Stool	X	
		≤35 days	Any	X	
Cytomegalovirus	Molecular	Any	Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)		X
			CSF		X
Dengue virus	Molecular	Any	Serum	X	
			Any - MML	X	
E.coli 0157 H7	Culture	Any	Any - In house		X
E.coli 0157 H7 & unable to detect H7 antigen	Culture	Any	Serum, CSF	X	
East Equine Encephalitis Antibody, IgG and IgM	Serology	Any	Any	X	
<i>Echinococcus</i> spp.	Smear	Any	Blood		X
<i>Ehrlichia/Anaplasma</i>	Molecular	Any	Stool	X	
<i>Entamoeba histolytica</i>	Molecular	Any	Stool	X	
Enteropathogenic <i>E. coli</i> (EPEC)	Molecular	Any	Stool	X	
Enterotoxigenic <i>E. coli</i> (ETEC)	Molecular	Any	VANCX = R	X	
<i>Enterococcus</i> group	Culture	Any	Stool	X	
Enteropathogenic <i>E. coli</i> (EPEC)	Molecular	Any	Stool	X	
Enterotoxigenic <i>E. coli</i> (ETEC)	Molecular	Any	Stool	X	

MICROBIOLOGY CRITICAL AND SEMI-URGENT RESULTS CONTINUED

Analyte	Test Method	Age	Specimen Source	Semi-Urgent	Critical
	CSFME only	Any	CSF		
Enterovirus	Molecular	<=35 days	Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)		X
		>35 days	Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)	X	
Epstein-Barr virus (EBVPV)	Molecular	<=35 days	Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)		X
		>35 days	Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)	X	
<i>Escherichia coli</i> K1	CSFME	Any	CSF		X
<i>Escherichia coli</i> O157 serotype	Culture and Molecular	Any	Stool	X	
<i>Filaria/Trypanosomes</i>	Smear	Any	Blood		X
<i>Francisella tularensis</i>	Culture	Any	Any		X
<i>Francisella tularensis</i> Ab, IgM and IgG	Serology	Any	Serum	X	
Giardia	Molecular	Any	Stool	X	
<i>Haemophilus ducreyi</i>	Culture	Any	Any	X	
<i>Haemophilus influenza</i>	Molecular	Any	CSF		X
	Culture	Any	Sterile body fluid or normally sterile tissue	X	
		Any	Blood, cerebrospinal or ventricular fluid, Epiglottis		X
Hepatitis A IgM Ab	Serology	Any	Serum, CSF	X	
Herpes simplex virus 1 or 2	Molecular	<=35 days	Any		X
		Any	Blood, Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)		X
<i>Histoplasma</i> Ag	Serology	Any	Serum		X
<i>Histoplasma</i> species complex	Culture and Molecular	Any	Any		X
Human herpes virus 6	Molecular	<=35 days			X
		>35 days	CSF	X	
	CSFME only	Any		X	
Human Parechovirus	Molecular	Any	CSF		X
IMP Resistance Gene	Molecular	Any	Any	X	
JC Virus	Molecular	<=35 days	CSF		X
		>35 days		X	
<i>Kingella kingae</i> PCR	Molecular	Any	Fresh tissue, biopsy bone or FFPE: joint, synovium, heart valve, aorta, or endocardium. Synovial fluid	X	
			Blood		X
<i>Kingella</i> sp.	Culture	Any	Any	X	
KPC Resistance Gene	Molecular	Any	Any	X	
mecA/C and MREJ	Molecular	Any	Any	X	

MICROBIOLOGY CRITICAL AND SEMI-URGENT RESULTS CONTINUED

Analyte	Test Method	Age	Specimen Source	Semi-Urgent	Critical
<i>Legionella spp.</i>	Molecular	Any	Any	X	
	Culture			X	
<i>Leishmania spp.</i>	Smear	Any	Any	X	
<i>Leptospira spp.</i> Antibody IgM	Serology	Any	Serum, CSF	X	
<i>Listeria monocytogenes</i>	Molecular	Any	CSF		X
	Culture		Any	X	
<i>M. pneumoniae</i>	Molecular and Culture	Any	CSF		X
			Any	X	
Measles	Molecular	Any	Urine, Throat	X	
Measles Antibody, IgG and IgM	Serology	Any	Serum, CSF	X	
mecA PCR	Molecular	Any	Organism in pure culture	X	
mpox (clade 1, clade 2)	Molecular	Any	Skin lesion swab		X
<i>Mucorales</i> (Genus: <i>Rhizopus</i> , <i>Mucor</i> , <i>Rhizomucor</i> , <i>Lichtheimia</i> (Absidia), <i>Apophyomyces</i>)	Culture	Any	Non-critical sterile tissue (including skin biopsy), Sinus or para-nasal tissue or fluid, Bone marrow, Non-critical sterile body fluids (except urine), BALAV fluid, Open lung biopsy, Sputum, washes (>2 colonies per culture)		X
Mumps	Molecular	Any	Urine, Throat	X	
Mumps Ab, IgG and IgM	Serology	Any	Serum, CSF	X	
<i>Mycobacteria</i> or actinomycete	Culture	Any	Blood, Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)		X
<i>Mycobacterium tuberculosis</i> complex	Culture	Any	Blood, Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)		X
			Non-critical sources	X	
	Molecular		CSF, Blood, Plasma		X
<i>Mycoplasma hominis</i>	Molecular	Any	Vaginal, cervix, urethra, urogenital, chest/mediastinal; bronchus or lung (donor swab); or sputum, tracheal secretions, bronchial washings, bronchoalveolar lavage, lung; or nasal washings (Note: Nasal washings may only be submitted for infants <3 months of age) Pelvic, peritoneal, amniotic, prostatic secretions, semen, reproductive drainage or fluid, pleural/chest, chest tube, pericardial. Synovial fluid. Urine (first void), kidney/bladder stone, or ureter. Tissue: Placenta, products of conception, urogenital, respiratory, bronchus, chest/mediastinal, bone, spine, or joint	X	
<i>Mycoplasmoides sp</i>	Culture	Any	Any	X	
<i>Naegleria fowleri</i> /Balamuthia	Culture and Molecular	Any	Any		X
NDM Resistance Gene	Molecular	Any	Any	X	

MICROBIOLOGY CRITICAL AND SEMI-URGENT RESULTS CONTINUED

Analyte	Test Method	Age	Specimen Source	Semi-Urgent	Critical
<i>Neisseria gonorrhea</i>	Molecular	<=15 years	Any	X	
		Any	CSF		X
	Culture	Y0-Y15	Any	X	
<i>Neisseria gonorrhoeae</i> / <i>polysaccharea</i>	Culture	Any	Any	X	
<i>Neisseria meningitidis</i>	CSFME	Any	CSF		X
Neonatal Sepsis Newborn	Culture	<7 days old	Blood	X	
<i>Vibrio</i> species (other not <i>V. cholerae</i>)	Culture	Any	Any	X	
<i>Yersinia</i> species (other not <i>Y. pestis</i>)	Culture	Any	Any	X	
OXA-48 and VIM	Molecular	Any	Isolates and Any Source	X	
OXA-like Resistance Gene	Molecular	Any	Varies	X	
<i>Paracoccidioides brasiliensis</i>	Culture	Any	Any		X
Parvovirus B19	Molecular	<=35 days	CSF, brain, amniotic fluid, ocular fluid/tissue/scraping		X
		>35 days		X	
<i>Plasmodium spp.</i> (all species)	Molecular and Smear	Any	Blood		X
<i>Plesiomonas shigelloides</i>	GIP	Any	Stool	X	
<i>Pneumocystis jirovecii</i>	Molecular	Any	Any		X
Powassan virus	Molecular	Any	CSF		X
	Serology	Any	Serum	X	
Rotavirus	Molecular	Any	Stool	X	
<i>Salmonella sp.</i>	Culture	Any	Any	X	
	Molecular	Any	Stool	X	
Sapovirus	Molecular	Any	Stool	X	
Shiga toxin	Molecular	Any	Stool	X	
Shiga toxin producing <i>E. coli</i>	Molecular	Any	Stool	X	
<i>Shigella sp</i>	Culture	Any	Any	X	
<i>Shigella</i> /Enteroinvasive <i>E. coli</i>	Molecular	Any	Stool	X	
<i>Sporothrix schenckii</i>	Culture	Any	Any		X
Spotted Fever Ab, IgG and IgM	Serology	Any	Serum, CSF	X	
St. Louis Encephalitis Antibody, IgG and IgM	Serology	Any	Serum, CSF	X	
Staphylococcus aureus & <i>S. aureus</i> complex (Vanco= I & Vanco= R)	Culture	Any	Any		X
<i>Staphylococcus aureus</i> & <i>S. aureus</i> complex (Oxacillin = R)	Culture	Any	Any		X
<i>Streptococcus agalactiae</i> (Group B)	Culture	Any	Blood, Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)		X
		Any	Sterile Sources	X	
	Molecular	Any	CSF, Plasma		X

MICROBIOLOGY CRITICAL AND SEMI-URGENT RESULTS CONTINUED

Analyte	Test Method	Age	Specimen Source	Semi-Urgent	Critical
<i>Streptococcus pyogenes</i> (Group A)	Culture	Any	Blood/plasma/serum, Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)		X
	Culture	Any	Sterile Sources but not Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)	X	
<i>Streptococcus pneumoniae</i>	Culture	Any	MML, Sterile Sources but not Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)	X	
	Molecular	Any	CSF		X
	Culture	Any	Blood/plasma/serum, Critical Sources (CSF, Ventricular fluid, Ocular sources, Brain sources, Amniotic fluid)		X
<i>Strongyloides</i> larvae	Smear	Any	Non-intestinal sites		X
Syphilis Ab, IgG	Serology	Any	Serum, CSF	X	
<i>Talaromyces (Penicillium) marneffeii</i>	Culture	Any	Any		X
<i>Toxoplasma gondii</i>	Molecular or Smear	Any	Any		X
<i>Treponema pallidum</i>	Molecular	Any	CSF		X
<i>Tropheryma whipplei</i> PCR	Molecular		CSF, Brain, Ocular Fluid		X
		Any	Fresh tissue, biopsy, FFPE: smal intestine (duodenum, ileum, or jejunum), lymph node, bone, joint, synovial, liver, pancreas, spleen, lung, heart valve (and other heart tissuses), or brain.	X	
		Any	Blood		X
<i>Ureaplasma</i> PCR	Molecular	Any	Any	X	
			Blood, Plasma, Aminotic Fluid		X
Varicella Zoster Virus	Molecular	<=35 days	CSF, brain, amniotic fluid, ocular fluid/tissue/scraping		X
		>35 days	CSF, brain, amniotic fluid, ocular fluid/tissue/scraping	X	
VDRL (Syphilis) Titer	Serology	Any	CSF	X	
<i>Vibrio cholerae</i>	Culture and Molecular	Any	Any	X	
<i>Vibrio species</i>	Molecular	Any	Stool	X	
VIM Resistance Gene	Molecular	Any	Varies	X	
VRE PCR	Molecular	Any	Stool, perianal, perirectal, rectal, anal	X	
West Nile Virus	Molecular	Any	Blood, Serum, Urine	X	
			CSF		X
			Serum, CSF	X	
Western Equine Encephalitis Antibody, IgG and IgM	Serology	Any	Serum, CSF	X	
<i>Yersinia pestis</i>	Culture	Any	Any		X
<i>Yersinia species</i>	Molecular	Any	Stool	X	
Zika Virus	Molecular and Serology	Any	Serum, Urine	X	

*Sterile sources = Blood/plasma/serum, cerebrospinal fluid, brain tissue, amniotic fluid, ocular fluid/corneal scrapings per Mayo Clinic Laboratories Critical Values / Critical Results List.

**Other sterile sources = sterile specimens collected OTHER THAN: Blood/plasma/serum, cerebrospinal fluid, brain tissue, amniotic fluid, ocular fluid/corneal scrapings.

NOTE: In the event of an outbreak of a novel contagious microorganism, detection of such an organism may be considered a critical result.