

## Labs Reportable via ELR

Note: Rows in bold are immediately reportable.

Condition	Pathogen	Tests	Send if results include	Also include	Qualifier
Acinetobacter (such as Carbapenem resistant <i>Acinetobacter</i> spp.) (CRA)	any Carbapenem resistant <i>Acinetobacter</i> spp.	Culture	Positive culture results demonstrating intermediate or resistance (MIC $\geq$ 8) to Doripenem, Imipenem, or Meropenem; or demonstrates production of carbapenemase by a recognized method (e.g. Modified Hodge Test or PCR)	Report antibiotic susceptibility results and carbapenemase testing method and results	Patient is a resident of Hennepin or Ramsey County
African Tick Bite Fever	<i>Rickettsia africae</i>	Cultures, PCR, serology (IgG, IgM), total antibody, IHC	Non-negative results		
Anaplasmosis	any <i>Anaplasma</i> spp.	Cultures, PCR, serology (IgG, IgM) total antibody, blood smears, IHC  Blood smears might be listed as "inclusions/morulae"	Non-negative results		
<b>Anthrax</b>	<b><i>Bacillus anthracis</i> and <i>Bacillus cereus</i> with anthrax toxin, or <i>Bacillus cereus</i> biovar <i>anthracis</i></b>	<b>Culture, PCR, serology, any other identification method</b>	<b>All results</b>	<b>Report all requests for testing</b>	
Arboviral Disease (endemic)	Including but not limited to: West Nile virus (WNV); La Crosse encephalitis (LAC) and other California serogroup viruses; western equine encephalitis (WEE); eastern equine encephalitis (EEE); St. Louis encephalitis (SLE) virus; Powassan (POW) virus; Jamestown Canyon virus (JCV); Cache Valley virus; Colorado tick fever; Japanese encephalitis virus; Venezuelan equine encephalitis	Culture, PCR, serology (IgG, IgM), IHC, PRNT	Non-negative results		
Babesiosis ( <i>Babesia</i> sp.)	any <i>Babesia</i> spp.	Cultures, PCR, serology (IgG, IgM) total antibody, blood smears, IHC  Blood smears might be listed as "inclusions in erythrocytes" or "parasites in red blood cells"	Non-negative results		

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Blastomycosis	any <i>Blastomyces</i> spp.	Culture, PCR, serology (IgG, IgM), histopathology, cytology/cytopathology, urine, serum or other fluid antigen	Non-negative results		Source: Blood, urine, other body fluid, tissue biopsy or aspirate
<b>Botulism</b>	<b><i>Clostridium botulinum</i></b>	<b>Culture, PCR, serology, any other identification method.</b>	<b>Non-negative results</b>		<b>Source: Serum, stool</b>
<b>Brucellosis</b>	<b><i>Brucella abortus</i>, <i>Brucella canis</i>, <i>Brucella melitensis</i>, <i>Brucella suis</i></b>	<b>Culture, PCR, serology, any other identification method.</b>	<b>Non-negative results</b>		
Campylobacteriosis	<i>Campylobacter</i> spp.	Culture, PCR, EIA by any method	Positive results	Report positive antibiotic susceptibility results  Include the manufacturer/method	
<i>Candida auris</i>	<i>Candida auris</i>	Culture	Positive results	Include any antibiotic susceptibility results	
Candidemia	<i>Candida</i> spp.	Culture	Positive results	Report positive antibiotic susceptibility results  Include the manufacturer/method	Patient is a resident of Anoka, Carver, Dakota, Hennepin, Ramsey, Scott or Washington County  Source: Blood isolates only
Capnocytophaga Infection	<i>Capnocytophaga canimorsus</i>	Culture, PCR, NAAT	Positive results		
Cat Scratch Disease	<i>Bartonella</i> spp.	Culture, PCR, serology, any other identification method	Non-negative results		
Chancroid	<i>Haemophilus ducreyi</i>	Culture	Positive results		
Chikungunya Disease	<i>Chikungunya</i>	Culture, PCR, serology (IgG, IgM), PRNT, IHC	Non-negative results		
<i>Chlamydia trachomatis</i> Infection	<i>Chlamydia trachomatis</i>	Culture, NAAT, DNA probe, EIA, DFA, direct immunofluorescence, nucleic acid hybridization	Positive results	Positive results when specific serovars L1, L2, and L3 are detected or confirmed as positive	
<b>Cholera</b>	<b><i>Vibrio cholerae</i></b>	<b>Culture, PCR, any other method</b>	<b>Positive results</b>	<b>Include the manufacturer/method</b>	

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<i>Clostridioides difficile</i> Infection	<i>Clostridioides difficile</i>	Culture, PCR; <i>C. difficile</i> toxin or molecular assay performed on stool specimen	Positive results		Patient is a resident of Benton, Morrison, Olmsted, Stearns and Todd Counties
COVID-19	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)	PCR, antigen, variant	Positive results		
Cronobacter (infants under 1 year of age)	<i>Cronobacter sakazakii</i> , formerly <i>Enterobacter sakazakii</i>	Culture	Positive results	Include the manufacturer/method	Patient under 1 year of age
Cryptosporidiosis	<i>Cryptosporidium</i> spp.	PCR, EIA, DFA, microscopy, rapid test	Positive and equivocal results	Include the manufacturer/method	
Cyclosporiasis	<i>Cyclospora cayetanensis</i>	Microscopy, PCR (often Biofire)	Positive results	Include the manufacturer/method	
Cytomegalovirus (congenital)	Cytomegalovirus (CMV)	Culture, nucleic acid amplification test (NAAT), Antigen	Positive results		Specimen source: Amniotic fluid collected from pregnant individuals or any specimen collected from an infant less than or equal to 90 days of age, excluding dried blood
Dengue	Dengue virus (DENV)	Culture, PCR, serology (IgG, IgM), PRNT, IHC, Antigen	Non-negative results		
<b>Diphtheria</b>	<b><i>Corynebacterium diphtheriae</i></b>	<b>Culture</b>	<b>Positive results</b>	<b>Report all requests for testing.</b>	
Ehrlichiosis	any <i>Ehrlichia</i> spp.	Cultures, PCR, serology (IgG, IgM) total antibody, blood smears, IHC  Blood smears might be listed as "inclusions/morulae"	Non-negative results		
Encephalitis (caused by viral agents)	Various viral pathogens	Culture	Positive results		Source: CSF
Enteric <i>E. coli</i> Infection (such as enteroaggregative <i>E. coli</i> )	EAEC: Enteroaggregative <i>E. coli</i>	Culture, PCR by any method	Positive results	Include the manufacturer/method	
Enteric <i>E. coli</i> Infection (such as enteroinvasive <i>E. coli</i> )	EIEC: Enteroinvasive <i>E. coli</i>	Culture, PCR; tests for EIEC or EIEC virulence factors (eg ipaH/invasion plasmid antigen) by any method	Positive results	Include the manufacturer/method	

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Enteric <i>E. coli</i> Infection (such as enteropathogenic <i>E. coli</i> )	EPEC: Enteropathogenic <i>E. coli</i>	Culture, PCR; EPEC or EPEC virulence factors (e.g., bfp/bundle forming pilus and eae/intimin) by any method	Positive results	Include the manufacturer/method	
Enteric <i>E. coli</i> Infection (such as enterotoxigenic <i>E. coli</i> )	ETEC: Enterotoxigenic <i>E. coli</i>	Culture, PCR; ETEC or ETEC virulence factors (e.g., estA/heat stable enterotoxin or eltB/heat labile enterotoxin) by any method	Positive results	Include the manufacturer/method	
Enteric <i>E. coli</i> Infection (such as other enterohemorrhagic (Shiga toxin-producing) <i>E. coli</i> )	STEC/VTEC/EHEC: Enterohemorrhagic (Shiga toxin-producing/ Verotoxin-producing) <i>E. coli</i>	Culture, PCR; tests for shiga toxin by any method	Positive results	Positive tests for Shiga toxin  Include the manufacturer/method	
Enterobacteriales (such as Carbapenem resistant Enterobacteriales spp.) (CRE)	Carbapenem resistant Enterobacteriales spp., including but not limited to <i>E. coli</i> , <i>A. baumannii</i> , <i>Enterobacter</i> spp., <i>Klebsiella</i> spp., <i>Serratia</i> spp., <i>Citrobacter</i> spp., <i>Morganella</i> spp., <i>Providencia</i> spp., <i>Acinetobacter</i> spp., <i>Proteus</i> spp., <i>Pseudomonas</i> spp., <i>Escherichia fergusonii</i> , <i>Hafnia alvei</i> , <i>Kluyvera ascorbata</i> , <i>Leclercia adecarboxylata</i> , <i>Pantoea agglomerans</i> , <i>Raoultella ornithinolytic</i> , <i>Raoultella planticola</i> , <i>Chryseobacterium indologenes</i> , <i>Myroides</i> spp., <i>Stenotrophomonas maltophilia</i>	Culture demonstrating intermediate or resistance to erapenem (MIC $\geq$ 2), doripenem, imipenem, or meropenem (MIC $\geq$ 4)	Positive results; or demonstrates production of carbapenemase by a recognized method (e.g. Modified Hodge Test or PCR)	Also include antibiotic susceptibility results and carbapenemase testing method and results	
Extrapulmonary Nontuberculous Mycobacteria (ENTM)	Including but not limited to: <i>Mycobacterium abscessus</i> , <i>M. chelonae</i> , <i>M. chimera</i> , <i>M. avium</i> , <i>M. Kansasii</i>	Culture, PCR, NAAT	Positive results		Source: any body site outside of the lungs (No BAL or endotracheal secretions)
Free living amebic infection	<b>Including at least <i>Acanthamoeba</i> spp, <i>Naegleria fowleri</i>, <i>Balamuthia</i> spp, <i>Sappinia</i> spp</b>	<b>Microscopy, PCR, DFA</b>	<b>Positive results</b>	<b>Include the manufacturer/method</b>	<b>Source: CSF, biopsy specimens (brain tissues, skin, cornea), cornea scrapings</b>
Giardiasis	<i>Giardia duodenalis/lambliia/intestinalis</i>	Microscopy, serology, DFA, EIA, PCR, rapid test	Positive results	Include the manufacturer/method	

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Glanders	<i>Burkholderia mallei</i>	Culture, PCR, serology, any other identification method	Non-negative results		
Gonorrhea	<i>Neisseria gonorrhoea</i>	Culture, NAAT, DNA probe, EIA, DFA	Positive results	Antibiotic susceptibility results	
Group A Streptococcal disease	<i>Streptococcus pyogenes</i> , <i>Streptococci</i> Group A	Culture, nucleic acid amplification (eg - PCR, Biofire, Verigene)	Positive results		<p>Source: Blood, CSF, joint fluid, pleural fluid, peritoneal fluid, pericardial fluid, bone, or from an internal body or tissue site (brain, heart, kidney, liver, lymph node, ovary, pancreas, spleen, vitreous fluid, vascular tissue), from any other normally sterile site, or surgically obtained muscle biopsy/tissue, or from a wound</p> <p>For specimens from wounds to be reportable, there must also necrotizing faciitis or streptococcal toxic shock syndrome present.</p>
Group B Streptococcal disease	<i>Streptococcus agalactiae</i> , <i>Streptococci</i> Group B	Culture, nucleic acid amplification (eg - PCR, Biofire, Verigene)	Positive results		<p>Source: Blood, serum, urine, CSF, joint fluid, pleural fluid, peritoneal fluid, pericardial fluid, bone, or from a internal body or tissue site (brain, heart, kidney, liver, lymph node, ovary, pancreas, spleen, vitreous fluid, vascular tissue), or from placenta or amniotic fluid</p> <p>For specimens from a placenta or amniotic fluid to be reportable, it must be accompanied by a fetal death.</p>

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Haemophilus Influenzae Disease (all invasive diseases)	<i>Haemophilus influenzae</i>	Culture, nucleic acid amplification (eg - PCR, Biofire, Verigene)	Positive results		Source: Blood, CSF, pleural fluid, peritoneal fluid, pericardial fluid, bone, joint fluid, internal body site (lymph node, brain, heart, liver, spleen, vitreous fluid, kidney, pancreas, ovary, or vascular tissue), or placenta or amniotic fluid when accompanied by a fetal death
Hantavirus Infection	<i>Hantavirus</i> spp.	PCR, serology (IgG, IgM)	Non-negative results	Report all requests for testing.	Source: Blood, lung biopsy, BAL
Hard Tick Relapsing Fever	<i>Borrelia miyamotoi</i> , <i>Borrelia hermsii</i> , <i>Borrelia turicatae</i>	Serology (IgG and IgM results), PCR, culture, immunostain, sequencing	Positive results		
Hepatitis: Hepatitis A	Hepatitis A virus	Serology (IgM), RNA	Positive results: anti-HAV IgM All HAV RNA results		Source: Blood, stool, saliva
Hepatitis: Hepatitis B	Hepatitis B virus	Serology (HBsAg, HBeAg, anti-HBc IgM), DNA, genotyping, sensitivity testing	Positive results for HBeAg, anti-HBc IgM Positive HBsAg if no negative neutralization All HBV DNA, sensitivity, and genotype results	If there are positive results, report: HBsAg, HBeAg, anti-Hbe, antiHBc IgM, anti-HBc total, HBV DNA, and HBV genotype	
Hepatitis: Hepatitis C	Hepatitis C virus	Serology (anti-HCV), RNA, genotype, sensitivity testing	Positive results: anti-HCV All HCV RNA, sensitivity, and genotype results		
Hepatitis: Hepatitis D	Hepatitis D virus	Serology (anti-HDV, anti-HDV IgM, anti-HDV IgG), RNA	Positive results: anti-HDV, anti-HDV IgM, anti-HDV IgG All HDV RNA results		
Hepatitis: Hepatitis E	Hepatitis E virus	Serology (anti-HEV, anti-HEV IgM, anti-HEV IgG), RNA	Positive results: anti-HEV, anti-HEV IgM, anti-HEV IgG All HEV RNA results		Source: Blood, stool, saliva

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Histoplasmosis	<i>Histoplasma</i> spp.	Culture, PCR, serology (IgG, IgM), histopathology, cytology/cytopathology, antigens from urine, serum or other fluid	Positive results: Histoplasma species from culture, PCR, serology (IgG, IgM), histopathology, cytology/cytopathology, antigens from urine, serum or other fluid		Source: Blood, urine, other body fluid, tissue biopsy or aspirate
Human Immunodeficiency Virus (HIV) Infection (including Acquired Immunodeficiency Syndrome) (AIDS)	HIV	EIA, western blot, IFA, serology (p24 antigen, OTHERS?), PCR, bDNA, CD4 counts, CD4 percents	Non-negative results from: HIV-1 IA, HIV-1/2 IA, HIV-1/2 Ag/Ab, HIV-1 WB, HIV-1 IFA, HIV-2 IA, HIV-2 WB, HIV-1 P24 Antigen, HIV-1 Culture, HIV-2 Culture, including rapid tests  All results, <b>including undetectibles and non-detectibles</b> from: HIV RNA/DNA NAAT (Qual), HIV-2 RNA/DNA NAAT (Qual), HIV-1 RNA/DNA NAAT (Quantitative viral load), HIV-2 RNA/DNA NAAT (Qualitative viral load), HIV-1/2 Type-differentiating (eg, Multispot), CD4 counts, CD4 percents, (RESISTANCE TESTING)	If tests are positive, include all results (positive and negative) for: HIV Proviral DNA, HIV RNA NASBA, HIV1/HIV2 culture results	
Influenza (unusual case incidence, critical illness, or laboratory confirmed cases)	Influenza viruses, types A and B	Culture, PCR, serology, Influenza rapid test	Positive results	If a rapid test was used, include the name of the test.	Patient is hospitalized or died with influenza reported
<i>Kingella</i> spp. (invasive only)	<i>Kingella</i> spp.	Culture	Positive results		Source: Blood, CSF, joint fluid, pleural fluid, peritoneal fluid, bone, internal body or tissue site
Lead		All methods, including atomic absorption, ASV, mass spec, graphite furnace	All results	Specify venous or capillary	Source: Blood
Legionellosis	<i>Legionella</i> spp.	Culture, PCR, DFA, IHC, urine antigen	Positive results		
Leprosy (Hansen's Disease)	<i>Mycobacterium leprae</i>	PCR, Acid fast bacillus smear	Skin biopsy AFB positive, or Positive PCR result		Source: Skin biopsy

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Leptospirosis	<i>Leptospira</i> spp.	Culture, PCR, serology (IgG, IgM)	Non-negative results		Source: Blood, urine
Listeriosis	<i>Listeria monocytogenes</i>	Culture, PCR by any method	Positive results	Include the manufacturer/method	
Lyme Disease	<i>Borrelia burgdorferi</i> , any <i>Borrelia</i> spp.	Culture, PCR, western blot IgG and IgM, serology	Positive results	If western blot is positive, send any ELISA/EIA or IFA results.  Band data as available	
Malaria	any <i>Plasmodium</i> spp.	PCR, blood smear, rapid test (RDT)	Non-negative results		
<b>Measles (Rubeola)</b>	<b><i>Measles morbillivirus</i></b>	<b>Serology (IgM), PCR</b>	<b>Positive results</b>		
Melioidosis	<i>Burkholderia pseudomallei</i>	Culture, PCR, serology (IgG, IgM), any other identification method	Non-negative results		
Meningitis - other bacterial	Bacterial, not otherwise reportable	Culture	Positive results		Source: CSF
Meningitis (caused by viral agents or aseptic)	Clinical diagnosis or viral pathogen	Culture, PCR	Positive results		Specimen: CSF viral agent Source: CSF
<b>Meningococcal Disease (<i>Neisseria Meningitidis</i>) (all invasive diseases)</b>	<b><i>Neisseria meningitidis</i></b>	<b>Culture, nucleic acid amplification eg - PCR, Biofire, Verigene</b>	<b>Positive results</b>		<b>Source: Blood, CSF, pleural fluid, peritoneal fluid, pericardial fluid, bone, joint fluid, internal body site (lymph node, brain, heart, liver, spleen, vitreous fluid, kidney, pancreas, ovary, or vascular tissue) or other normally sterile site</b>
<b>MERS</b>	<b>MERS-CoV</b>	<b>PCR</b>	<b>Positive results</b>		
Mumps	<i>Mumps rubulavirus</i>	Serology (IgM), PCR	Positive results		



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Neonatal Sepsis (less than 7 days after birth) (bacteria isolated from a sterile site, excluding contaminants)	Bacteria isolated from a sterile site	Culture, nucleic acid amplification (eg - PCR, Biofire, Verigene)	Any positive result		<p>Specimen collected less than 7 days after birth</p> <p>Source: Blood, CSF, pleural fluid</p> <p>Exclude the following contaminants: All Aerococcus, all Bacillus, all Burkholderia, all Capnocytophago, all Corynebacterium ("Diphtheroids"), all Cupriavidus ("Ralstonia"), all Flavimonas, all Gemella, all Granulicatella, all Haemophilus (other than H. influenzae), all Lactobacillus, all Micrococcus (including Bracybacterium), all Morganella, all Mycobacterium (other than tuberculosis), all Neisseria (other than N. meningitidis), all Ochrobactrum, all Paenibacillus, all Prevotella, all Propionibacterium, all Roseomonas, all Staphylococcus (other than S. aureus), all Stenotrophomonas, all Stomatococcus, all Tatumella</p>
Nontuberculous Mycobacteria (NTM) - Pulmonary	Including but not limited to: <i>Mycobacterium abscessus</i> , <i>M. chelonae</i> , <i>M. chimera</i> , <i>M. avium</i> , <i>M. Kansasii</i>	Culture, PCR, NAAT	Positive results		<p>Source: Pulmonary sites</p> <p>Patient is a resident of Hennepin or Ramsey County</p>
<b>Orthopox virus</b>	<b><i>Orthopoxvirus</i> spp. (Pox viruses, includes monkeypox, cowpox)</b>	<b>Culture, PCR, serology, any other identification method.</b>	<b>Positive results</b>		
Pertussis	<i>Bordetella bronchiseptica</i> , <i>Bordetella holmesii</i> , <i>Bordetella parapertussis</i>	Culture, PCR	Positive results		
Pertussis	<i>Bordetella pertussis</i>	Culture, PCR, serology, DFA	Non-negative results		
<b>Plague</b>	<b><i>Yersina pestis</i></b>	<b>Culture, PCR, serology, any other identification method.</b>	<b>Non-negative results</b>		
<b>Poliomyelitis</b>	<b><i>Poliovirus</i></b>	<b>Serology</b>	<b>Positive results for poliovirus (P1, P2, or P3)</b>		

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Pseudomonas aeruginosa (such as Carbapenem-resistant <i>Pseudomonas aeruginosa</i> ) (CRPA)	Carbapenem-resistant <i>Pseudomonas aeruginosa</i>	Culture	Positive culture results demonstrating intermediate or resistance (MIC ≥ 8) to Doripenem, Imipenem, or Meropenem; or demonstrates production of carbapenemase by a recognized method (e.g. Modified Hodge Test or PCR)	If positive and available, report antibiotic susceptibility results and carbapenemase testing method and results	Patient is resident of Hennepin or Ramsey County
Psittacosis	<i>Chlamydophila psittaci</i>	Culture, PCR, serology	Non-negative results		Source: Blood, sputum, pleural fluid, tissue
<b>Q Fever</b>	<b><i>Coxiella burnetii</i></b>	<b>Culture, PCR, serology, any other identification method.</b>	<b>Non-negative results</b>		
Rat Bite Fever	<i>Streptobacillus moniliformis</i>	Culture, PCR, NAAT	Positive results		
RSV (laboratory confirmed cases)	<i>Human orthopneumovirus</i>	Culture, PCR, RSV rapid test	Positive results		Patient is hospitalized or died with RSV reported
<b>Rubella and Congenital Rubella Syndrome</b>	<b><i>Rubella virus</i></b>	<b>Serology (IgM), PCR</b>	<b>Positive results</b>		
Salmonellosis (including Typhoid)	<i>Salmonella</i> spp.	Culture, PCR by any method	Positive results	Report positive antibiotic susceptibility results.  Include the manufacturer/method	
<b>Severe Acute Respiratory Syndrome (SARS)</b>	<b>SARS-CoV</b>	<b>Serology, culture, PCR</b>	<b>All results</b>		
Shigellosis	<i>Shigella</i> spp.	Culture, PCR by any method	Positive results	Include the manufacturer/method	
Spotted Fever Rickettsiosis	any <i>Rickettsia</i> spp.	Cultures, PCR, serology (IgG, IgM), total antibody, IHC	Non-negative results		
<i>Staphylococcus aureus</i> (such as death or critical illness due to community-associated <i>S. aureus</i> in a previously healthy individual)	<i>Staphylococcus aureus</i>	Culture, nucleic acid amplification (eg - PCR, Biofire, Verigene)	Positive results	Report positive antibiotic susceptibility results.	

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<i>Staphylococcus aureus</i> (such as MRSA or MSSA invasive)	Invasive <i>Staphylococcus aureus</i> - Methicillin-resistant (MRSA) and Methicillin-susceptible (MSSA)	Culture, nucleic acid amplification (eg - PCR, Biofire, Verigene)	Positive results with resistance to Oxacillin	Report positive susceptibility results	Patient is resident of Hennepin or Ramsey County Source: Blood, CSF, joint fluid, pleural fluid, peritoneal fluid, bone, internal body or tissue site, nasal swab, Skin/soft tissue
<i>Staphylococcus aureus</i> (such as Vancomycin-Intermediate <i>S. aureus</i> ) ( <b>VISA</b> )/ <i>S. aureus</i> (such as Vancomycin-resistant <i>S. aureus</i> ) ( <b>VRSA</b> )	Vancomycin-intermediate or resistant <i>Staphylococcus aureus</i>	Culture, nucleic acid amplification (eg - PCR, Biofire, Verigene)	Positive culture results with intermediate resistance or resistance (any MIC >=4) to Vancomycin	Report positive susceptibility results	
<i>Streptococcus pneumoniae</i>	<i>S. pneumoniae</i> , <i>Pneumococcal</i>	Culture, urine antigen, CSF antigen, nucleic acid amplification (eg - PCR, Biofire, Verigene)	Positive results		Source: Blood, CSF, serum, urine, joint fluid, pleural fluid, peritoneal fluid, pericardial fluid, bone, or from a internal body or tissue site (brain, heart, kidney, liver, lymph node, ovary, pancreas, spleen, vitreous fluid, vascular tissue)
Syphilis	<i>Treponema pallidum</i>	FTA, TPPA, serology (IgG, IgM), EIA, RPR, USR, VDRL	Non-negative or reactive results	Include all results for: CSF, MHA-TP, PK-TP, STS	
Toxoplasmosis	<i>Toxoplasma gondii</i>	PCR, serology (IgG, IgM)	Non-negative results		Source: Blood
Trichinosis	<i>Trichinella spiralis</i>	Culture, PCR, serology, Immunoblotting	Non-negative results		Source: Blood, muscle biopsy
Tuberculosis	<i>Mycobacterium tuberculosis</i> complex - this includes 10-13 species, including: <i>Mycobacterium tuberculosis</i> , <i>M. bovis</i> , <i>M. africanum</i> , <i>M. microti</i> , <i>M. canettii</i> , <i>M. caprae</i> , <i>M. pinnipedii</i> , <i>M. suricattae</i> , <i>M. mungi</i> , <i>M. orygis</i>	Culture, PCR, NAAT	Positive results	Antibiotic susceptibility results.	
Tularemia	<i>Francisella tularensis</i>	<b>Culture, PCR, serology, any other identification method.</b>	<b>Non-negative results</b>		
Typhus ( <i>Rickettsia</i> spp.)	<i>Rickettsia typhi</i> , <i>Rickettsia prowazekii</i> , <i>Orientia tsutsugamushi</i> , or "Typhus Group"	Culture, PCR, serology (IgG, IgM, total antibody), IHC	Non-negative results	Include titer and species.	

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Vaccinia	<i>Vaccinia virus</i>	PCR	Positive results		
Coccidioidomycosis (Valley Fever)	<i>Coccidioidomycosis immitis</i>	Culture, PCR, serology (IgG, IgM), histopathology, cytology/cytopathology	Positive results		Source: Blood, other body fluid, tissue biopsy or aspirate
Varicella-zoster Disease	<i>Varicella zoster virus</i>	Culture, PCR, DFA, serology (IgM)	Positive results		
<i>Vibrio</i> spp.	<i>Vibrionaceae</i> spp., <i>Photobacterium damsealae</i> , <i>Grimontia hollisae</i>	Culture, PCR by any method	Positive results	Include the manufacturer/method	
Yellow Fever	<i>Yellow fever virus</i>	Culture, PCR, serology (IgG, IgM), IHC, PRNT	Non-negative results		
Yersiniosis, enteric	<i>Yersinia</i> spp.	Culture, PCR by any method	Positive results	Include the manufacturer/method	
Zika virus	<i>Zika virus</i>	Culture, PCR, serology (IgG, IgM), IHC, PRNT	All results	Pregnancy status	Source: Blood, body fluid, tissue

Note that for investigations of some of these diseases follow up will include inquiries about labs including but not limited to CBCs, metabolic/liver panels, and CSF values such as WBC, RBC, protein and glucose.

Infectious Disease Epidemiology, Prevention and Control Division 651-201-5414 - TDD/TTY 651-201-5797 - [www.health.state.mn.us](http://www.health.state.mn.us)

**Note: Do not consider the above list provided to be the complete list of all diseases and conditions that should be reported to MDH. It is a working list which the trading partners can use for reference for communicable disease reporting through the MDH ELR program. Last Updated: 11/01/2024**

