

Utah

Electronic Laboratory Reporting Specifications for Communicable Diseases

Version 1.1

Updated February 7, 2018

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PURPOSE

This document is a supplement to The Communicable Disease Rule, and details what test types are considered reportable for each of the conditions identified in the Communicable Disease Rule. Electronic reporters should use automated computer algorithms to identify reportable laboratory tests for transmission to public health. Algorithms should be programmed using the guidance in this document and routinely validated.

A separate document is available for entities who report manually (via fax, email, or post), as reporting specifications differ slightly.

REPORTABLE TESTS

MULTI-DRUG RESISTANT ORGANISMS

Condition: <i>Candida auris</i> or <i>Candida haemulonii</i>		
Organisms: <i>Candida auris</i>, <i>Candida haemulonii</i>¹		
Reportable Test	Reportable Result	Quantitation Required
Culture	Positive	No
MALDI-TOF or DNA sequencing	Positive	No
Antifungal susceptibility, any method	All	Yes

¹Other rare *Candida* spp. or *Candida* spp. from sterile sites implicated in invasive disease that cannot be accurately speciated.

Exclude *C. albicans*, *C. parapsilosis*, *C. dubliniensis*, *C. lusitanae*, *C. tropicalis*, and *C. krusei* and any other yeast infections that do not fit the above criteria.

Condition: Carbapenem resistant organism		
Organisms: <i>Acinetobacter</i> species, <i>Enterobacter</i> species, <i>Escherichia coli</i>, <i>Klebsiella</i> species, and <i>Pseudomonas aeruginosa</i>		
Reportable Test	Reportable Result	Quantitation Required
Antibiotic susceptibility, any method (automated, E-test, Kirby-Bauer, etc.) ¹	Resistant ²	Yes
Phenotypic presence of carbapenemase (Modified Hodge test)	All ³	No
Genotypic presence of carbapenemase (PCR)	All ³	No

¹When an organism is determined to be carbapenem resistant, all other susceptibility testing on the organism, with the associated MIC values, and the culture results must be reported.

²Laboratories should report carbapenem resistance using the most current CLSI breakpoints (June 2013).

³All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

Condition: <i>Staphylococcus aureus</i>, vancomycin resistant (VRSA)		
Organism: <i>Staphylococcus aureus</i>		
Reportable Test	Reportable Result	Quantitation Required
Antibiotic susceptibility, any method ¹	Resistant ²	Yes

¹When an organism is determined to be vancomycin resistant, all other susceptibility testing on the organism, with the associated MIC values, and the culture results must be reported.

²*Staphylococcus aureus* is considered resistant when the MIC value for vancomycin is ≥ 16 .

Condition: <i>Staphylococcus aureus</i>, methicillin resistant (MRSA)		
Organism: <i>Staphylococcus aureus</i>		
Reportable Test	Reportable Result	Quantitation Required
Antibiotic susceptibility, any method ²	Resistant ¹	Yes
Methicillin Resistance by PCR ²	Resistant	No

¹*Staphylococcus aureus* is considered resistant when the MIC value for methicillin is ≥ 4 .

²MRSA is only reportable when isolated from a sterile body site (invasive).

Condition: <i>Staphylococcus aureus</i>, methicillin susceptible (MSSA)		
Organism: <i>Staphylococcus aureus</i>		
Reportable Test	Reportable Result	Quantitation Required
Antibiotic susceptibility, any method ²	Susceptible ¹	Yes
Methicillin Resistance by PCR ²	Susceptible	No

¹*Staphylococcus aureus* is considered susceptible when the MIC value for methicillin is ≤ 2 .

²MSSA is only reportable when isolated from a sterile body site (invasive).

ENTERIC DISEASES – BACTERIAL

Condition: Botulism		
Organisms: <i>Clostridium botulinum</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Culture	Positive	No
Botulinum toxin	Positive	No

Condition: Campylobacteriosis		
Organisms: <i>Campylobacter species</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antigen, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: <i>Clostridium difficile</i> infection		
Organisms: <i>Clostridium difficile</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody to cytotoxin	All ¹	No
Culture	All ¹	No
Nucleic acid detection	All ¹	No

¹All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

Condition: <i>Escherichia coli</i>, Shiga-toxin producing		
Organisms: Enterohemorrhagic <i>E. coli</i>, and Shiga-toxin		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody against Shiga-toxin, serum	Positive	No
Culture	Positive	No
Detection of Shiga-toxin	Positive	No
Nucleic acid detection	Positive	No

Condition: Listeriosis		
Organisms: <i>Listeria species</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Culture	Positive	No
Nucleic acid detection	Positive	No

¹Only isolates from sterile sites are reportable. This includes, but is not limited to, blood, bone, fetal tissue, muscle (when covered by intact skin), sterile fluids (CSF, joint, vitreous, pleural, peritoneal, pericardial), or internal body site (lymph node, brain, heart, liver, spleen, kidney, pancreas, ovary, placenta).

Condition: Salmonellosis and typhoid fever		
Organisms: <i>Salmonella species</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Nucleic acid detection	Positive	No
Culture	Positive	No
Antibiotic susceptibility, any method ¹	All	No

¹Complete antibiotic susceptibility results are reportable when performed on *Salmonella* species.

Condition: Shigellosis		
Organisms: <i>Shigella</i> species		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibiotic susceptibility, any method ¹	All	No
Culture	Positive	No
Nucleic acid detection ²	Positive	No

¹Complete antibiotic susceptibility results are reportable when performed on *Shigella* species.

²This includes results that do not differentiate between *Shigella* and Enteroinvasive *E. coli* (EIEC).

Condition: Vibriosis, including cholera		
Organisms: <i>Vibrio</i> species		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Culture	Positive	No
Antitoxin or anti-vibriocidal antibody	Positive for <i>Vibrio</i> cholerae O1 or O139	No
Nucleic acid detection	Positive	No

ENTERIC DISEASES – VIRAL AND PARASITIC

Condition: Cryptosporidiosis		
Organisms: <i>Cryptosporidium</i> species		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, any method	Positive	No
Antigen, any method	Positive	No
Microscopic identification	Positive for oocysts	No
Nucleic acid detection	Positive	No

Condition: Cyclosporiasis		
Organisms: <i>Cyclospora cayetanensis</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Microscopic identification	Positive for oocysts	No
Nucleic acid detection	Positive	No

Condition: Giardiasis		
Organisms: <i>Giardia lamblia</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, any method	Positive	No
Antigen, any method	Positive	No
Microscopic identification	Positive for oocysts or trophozoites	No
Nucleic acid detection	Positive	No

Condition: Norovirus		
Organisms: Norovirus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Nucleic acid detection	Positive	No

Condition: Trichinellosis		
Organisms: <i>Trichinella</i> species organism or larvae		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, any method	Positive	No
Microscopic identification	Identification of <i>Trichinella</i> larvae	No

HIV/AIDS

Condition: HIV/AIDS		
Organisms: Human immunodeficiency virus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody/antigen screening test ¹	Positive and equivocal/indeterminate	No
Antigen screening test ²	Positive and equivocal/indeterminate	No
Antibody screening test ²	Positive and equivocal/indeterminate	No
Antiviral susceptibility test results (via sequencing, genotyping, or phenotypic analysis)	All ³	No
Confirmatory and supplemental tests (e.g. Western Blot)	All ³	No
Culture	All ³	No
Genotype (viral sequencing)	All ³	No
Nucleic acid detection (Qualitative viral load)	All ³	No
p24 antigen test ²	Positive and equivocal/indeterminate	No
Rapid test	Positive and equivocal/indeterminate	No
Viral Load (Quantitative viral load)	All ³	Yes
Typing ⁴	All ³	No

¹This is a 4th generation EIA - generally HIV 1/2 + Ag.

²This is a 3rd generation EIA - generally HIV1+O+HIV2.

³All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

⁴This test differentiates HIV 1 from HIV 2 (e.g. Multispot, Geenius).

MYCOBACTERIAL INFECTIONS (INCLUDING TUBERCULOSIS AND LEPROSY)

Condition: Mycobacterial infections, including tuberculosis and leprosy		
Organisms: <i>Mycobacterium</i> species		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Acid fast stain	All ²	Yes
Antibiotic susceptibility, any method ¹	All ²	No
Biopsy	Positive	No
Culture, acid fast bacillus	All ²	No
Culture, speciated	All ²	No
Quantiferon TB minus NIL	All ²	Yes
Nucleic acid detection	All ²	No
T-Spot	All ²	No

¹Complete antibiotic susceptibility results are reportable when performed on *Mycobacterium tuberculosis* isolates.

²All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

SEXUALLY TRANSMITTED DISEASES

Condition: Chancroid Organisms: <i>Haemophilus ducreyi</i>		
Reportable Test	Reportable Result	Quantitation Required
Culture	Positive	No

Condition: <i>Chlamydia trachomatis</i> infection Organisms: <i>Chlamydia trachomatis</i>		
Reportable Test	Reportable Result	Quantitation Required
Antigen, any method	All ¹	No
Culture	All ¹	No
Nucleic acid detection	All ¹	No

¹All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

Condition: Gonorrhea Organisms: <i>Neisseria gonorrhoeae</i>		
Reportable Test	Reportable Result	Quantitation Required
Antigen, any method	All ¹	No
Culture	All ¹	No
Gram stain	Gram negative intracellular diplococci	No
Nucleic acid detection	All ¹	No
Antibiotic susceptibility, any method ²	All ²	No

¹All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

²Complete antibiotic susceptibility results are reportable when performed on *Neisseria gonorrhoeae*.

Condition: Syphilis Organisms: <i>Treponema palladium</i>		
Reportable Test	Reportable Result	Quantitation Required
Antibody (including DFA-TP, TPPA, FTA)	All ¹	No
IgG and IgM treponemal serology test (FTA, TP-PA, MHA-TP, EIA, latex agglutination)	All ¹	Yes
Microscopic identification	Positive for spirochete	No
Rapid plasma reagin (RPR) test	All ¹	No
Venereal Disease Research Laboratory (VDRL) test	All ¹	No

¹All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

VACCINE PREVENTABLE AND INVASIVE DISEASES

Condition: Chickenpox Organisms: <i>Varicella zoster virus</i>		
Reportable Test	Reportable Result	Quantitation Required
Antibody, including IgG	Positive	Yes
Antigen, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: Diphtheria Organisms: <i>Corynebacterium diphtheriae</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Culture	Positive	No
Histopathology	Positive	No
Nucleic acid detection	Positive	No

Condition: <i>Haemophilus influenzae</i>, invasive Organisms: <i>Haemophilus influenzae</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Culture ¹	Positive	No
Nucleic acid detection ¹	Positive	No
Antigen, any method ²	Positive	No

¹Only isolates from sterile sites are reportable. This includes, but is not limited to, blood, bone, muscle (when covered by intact skin), sterile fluids (CSF, joint, vitreous, pleural, peritoneal, pericardial), or internal body site (lymph node, brain, heart, liver, spleen, kidney, pancreas, ovary, etc).

²Only reportable if specimen source is CSF.

Condition: Influenza infection Organisms: <i>Influenza A</i> and <i>influenza B</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, IgM	Positive	No
Antigen, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No
Rapid test	Positive	No

Condition: Meningitis/encephalitis Organisms: Any bacteria, virus, parasite, protozoa, or fungus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, IgM ¹	Positive	No
Culture ¹	Positive	No
Nucleic acid detection ¹	Positive	No

¹Only reportable if specimen source is CSF.

Condition: Meningococcal disease, invasive Organisms: <i>Neisseria meningitidis</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antigen, latex agglutination ¹	Positive	Yes
Antigen, immunohistochemistry ²	Positive	No
Gram stain ¹	Positive for Gram negative diplococci	No
Culture ³	Positive	No
Nucleic acid detection ³	Positive	No

¹Only reportable if specimen source is CSF.

²Formalin-fixed tissue.

³Only isolates from sterile sites are reportable. This includes, but is not limited to, blood, bone, muscle (when covered by intact skin), sterile fluids (CSF, joint, vitreous, pleural, peritoneal, pericardial), or internal body site (lymph node, brain, heart, liver, spleen, kidney, pancreas, ovary, etc).

Condition: Mumps Organisms: Mumps virus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG	Positive	Yes
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: Pertussis (whooping cough) Organisms: <i>Bordetella pertussis</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, IgM	Positive	No
Antigen, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: Polio Organisms: <i>Poliovirus</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG	Positive	Yes
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: Rubella Organisms: Rubella virus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG	Positive	Yes
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: Smallpox Organisms: <i>Variola virus</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, IgM	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: Smallpox vaccination, adverse reaction Organisms: <i>Vaccinia virus</i> (Orthopox genus)		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: Streptococcal disease, invasive Organisms: <i>Streptococcus</i> species		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibiotic susceptibility, any method ¹	All	No
Culture ²	Positive	No
Nucleic acid detection ²	Positive	No

¹Complete antibiotic susceptibility results are reportable when performed on *Streptococcus pneumoniae* isolates from sterile sites.

²Only isolates from sterile sites are reportable. This includes, but is not limited to, blood, bone, muscle (when covered by intact skin), sterile fluids (CSF, joint, vitreous, pleural, peritoneal, pericardial), or internal body site (lymph node, brain, heart, liver, spleen, kidney, pancreas, ovary, placenta).

VECTORBORNE/ZOONOTIC DISEASES – BACTERIAL

Condition: Anaplasmosis/ehrlichiosis Organisms: <i>Anaplasma phagocytophilum</i>, <i>Ehrlichia chaffeensis</i>, and <i>Ehrlichia ewingii</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG	Positive	Yes
Antigen, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No
Microscopic identification	Positive for morulae	No

Condition: Anthrax Organisms: <i>Bacillus anthracis</i> or <i>Bacillus cereus</i> expressing anthrax toxins		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antigen, including Red Line Alert	Positive	No
Antibody to Protective Antigen (PA)	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No
Lethal Factor by Mass Spectrometry	Positive	No

Condition: Brucellosis Organisms: <i>Brucella</i> species		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: Lyme disease Organisms: <i>Borrelia burgdorferi</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG ¹	All ²	Yes
Culture	All ²	No
Nucleic acid detection	All ²	No

¹Western Blot test results should include the number of bands identified.

²All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

Condition: Plague		
Organisms: <i>Yersinia pestis</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG and Fraction 1 (F1) antigen	Positive	Yes
Antigen, Fraction 1 (F1)	Positive	No
Culture	Positive	No

Condition: Psittacosis		
Organisms: <i>Chlamydia psittaci</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: Q fever		
Organisms: <i>Coxiella burnetii</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, any method, including phase 1 or 2	Positive	Yes
Antigen, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: Relapsing fever		
Organisms: <i>Borrelia species</i> (not burgdorferi)		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, any method	Positive	No
Culture	Positive	No
Microscopic identification	Positive for spirochetes	No

Condition: Spotted fever rickettsiosis		
Organisms: <i>Rickettsia species</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG	Positive	Yes
Antigen, any method	Positive	No
Culture	Positive	No

Condition: Tularemia		
Organisms: <i>Francisella tularensis</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG	Positive	Yes
Antigen, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

VECTORBORNE/ZOONOTIC DISEASES – VIRAL

Condition: Arboviral infection, Zika virus		
Organisms: Zika virus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including plaque reduction neutralization	All ¹	No
Antigen, any method	All ¹	No
Culture	All ¹	No
Nucleic acid detection	All ¹	No

¹All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

Condition: Arboviral infection, other		
Organisms: Cache Valley, California encephalitis, Chikungunya, Dengue, Eastern equine encephalitis, Jamestown Canyon, Japanese encephalitis, Keystone, Lacrosse, Powassan, Snowshoe hare, St Louis encephalitis, Trivittatus, Venezuelan equine encephalitis, West Nile, Western equine encephalitis, and Yellow Fever virus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG and plaque reduction neutralization	Positive	Yes ¹
Antigen, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

¹Titer quantitation must be reported, including IgM P/N ratio must be reported.

Condition: Colorado tick fever		
Organisms: Colorado tick fever virus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG	Positive	No
Culture	Positive	No

Condition: Hantavirus infection		
Organisms: Hantavirus (Sin Nombre virus)		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG	Positive	Yes
Antigen, any method	Positive	No
Nucleic acid detection	Positive	No

Condition: Rabies		
Organisms: Lyssavirus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, Rabies Neutralizing	Positive	Yes ¹
Antigen, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

¹Positive or complete virus neutralization at 1:5 dilution.

Condition: Viral hemorrhagic fever		
Organisms: Crimean-Congo hemorrhagic fever, Ebola, Guaranito, Junin, Lassa, Lujo, Machupo, Marburg, Rift Valley fever, and Sabia viruses		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG	Positive	No
Antigen, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

VECTORBORNE/ZOONOTIC DISEASES – PARASITIC

Condition: Babesiosis		
Organisms: <i>Babesia species</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Animal Inoculation	Positive	No
Antibody, including IgG	Positive	Yes
Microscopic identification	Identification of intraerythrocytic Babesia organisms	No
Nucleic acid detection	Positive	No

Condition: Chagas Disease		
Organisms: <i>Trypanosoma cruzi</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG	Positive	No
Antigen, any method	Positive	No
Microscopic identification	Identification of <i>Trypanosoma cruzi</i> parasite	No
Nucleic acid detection	Positive	No

Condition: Leptospirosis		
Organisms: <i>Leptospira species</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, IgM	Positive	No
Culture	Positive	No

Condition: Malaria		
Organisms: <i>Plasmodium species</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Blood film/smear	Identification of Plasmodium parasite	No
Nucleic acid detection	Positive	No
Rapid antigen test (RDT)	Positive	No

VIRAL HEPATITIS

Condition: Hepatitis A virus infection		
Organisms: Hepatitis A virus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, IgM	All ¹	No

¹All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

Condition: Hepatitis B virus infection		
Organisms: Hepatitis B virus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, IgM, core	All ¹	No
Antigen, including surface and e antigen	All ¹	No
Genotype	All ¹	No
Nucleic acid detection	All ¹	Yes

¹All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

Condition: Hepatitis C virus infection		
Organisms: Hepatitis C virus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody (anti-HCV and signal/cutoff ratio)	All ¹	No
Genotype	All ¹	No
Immunoblot or RIBA	All ¹	No
Nucleic acid detection	All ¹	Yes

¹All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

Condition: Hepatitis, viral, other		
Organisms: Hepatitis D virus, hepatitis E virus, and hepatitis G virus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, IgM	Positive	No
Antigen, any method	Positive	No

Condition: Liver function tests, associated with viral hepatitis cases¹		
Organisms: NA		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Alanine amino transferase (ALT)	All ²	Yes
Aspartate aminotransferase (AST)	All ²	Yes
Bilirubin	All ²	Yes

¹Liver function tests are reportable when the specimen collection date is within 90 days of the specimen collection date of a positive test for viral hepatitis. For entities that cannot report using these specifications, all liver function tests may be reported.

²All values from test results are reportable.

OTHER DISEASES

Condition: CD4 Test		
Organisms: NA		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Value, total and percent ¹	All	Yes

¹All values from all patients are reportable. This is no longer limited to just HIV patients.

Condition: Coccidioidomycosis		
Organisms: <i>Coccidioides species</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG	Positive	Yes
Culture, Fungal	Positive	No
Histopathology	Positive	No
Nucleic acid detection	Positive	No

Condition: Cytomegalovirus, infant		
Organisms: Cytomegalovirus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG ¹	All ¹	No
Culture ¹	All ¹	No
Nucleic acid detection ¹	All ¹	No

¹All test results in children less than one year of age are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

Condition: Legionellosis		
Organisms: <i>Legionella species</i>		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, including IgG	Positive	Yes
Antigen, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: MERS		
Organisms: MERS coronavirus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antigen, any method	Positive	No
Culture ¹	Positive	No
Nucleic acid detection ¹	Positive	No

Condition: SARS		
Organisms: SARS coronavirus		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
Antibody, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: Transmissible Spongiform Encephalopathies		
Organisms: All prions, such as CJD, vCJD, iCJD, fCJD, sCJD, Gerstmann-Straussler-Scheinker syndrome or Kuru		
<i>Reportable Test</i>	<i>Reportable Result</i>	<i>Quantitation Required</i>
14-3-3	Positive	No
Immunohistochemistry	Positive	No
PrP Gene Sequencing by PCR	Positive	Yes
Neuron-Specific Enolase	Positive	No
Tau protein	Positive	No
Western Blot	Positive	No

ADDITIONAL RESOURCES

Utah Code 26-6: The Utah Communicable Disease Control Act

<https://le.utah.gov/xcode/Title26/Chapter6/26-6.html>

Utah Administrative Rule 386-702: The Communicable Disease Rule

<https://rules.utah.gov/publicat/code/r386/r386-702.htm>

Communicable Disease Reporting Webpage

<http://health.utah.gov/epi/reporting/>

Utah Department of Health ELR Webpage

<http://health.utah.gov/epi/elr>

CONTACT INFORMATION

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Reporting Mailing List

To join the mailing list to receive notifications about changes or clarifications to the Communicable Disease Rule, email reporting@utah.gov.

VERSION HISTORY

Date	Version	Changes
3/20/2017	V1.0	Document created
5/18/2017	V1.1	Corrected reporting specifications for “arboviral, Zika virus” – all results are reportable.
2/7/2018	V1.2	Added nucleic acid detection to <i>Haemophilus influenzae</i> , invasive streptococcus, listeriosis, salmonellosis, hepatitis B and hepatitis C as reportable tests.
2/7/2018	V1.2	Added <i>Bacillus cereus</i> expressing anthrax toxins as a reportable organism under Anthrax
2/7/2018	V1.2	Added <i>Pseudomonas aeruginosa</i> as a newly reportable condition under Carbapenem resistant organism
2/7/2018	V1.2	Added <i>Staphylococcus aureus</i> , methicillin resistant (MRSA), <i>Staphylococcus aureus</i> , methicillin susceptible (MSSA), <i>Candida auris</i> or <i>Candida haemulonii</i> , Chagas disease, and MERS as newly reportable conditions.
2/7/2018	V1.2	Added susceptibility panels as reportable when performed on: <i>Neisseria gonorrhoeae</i> , <i>Shigella species</i> , <i>Salmonella species</i> , and <i>Streptococcus pneumoniae</i> .
2/7/2018	V1.1	Removed <i>Staphylococcus aureus</i> , vancomycin intermediate as a reportable condition.