Utah

Electronic Laboratory Reporting Specifications for Communicable Diseases

Version 1.3

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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. UDOH strongly encourages electronic reporters to 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

ENTERIC DISEASES – BACTERIAL

Condition: Botulism **Organisms: *Clostridium botulinum***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Culture	Positive	No
Botulinum toxin	Positive	No

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

Condition: *Clostridium difficile* infection **Organisms: *Clostridium difficile***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody to cytotoxin	All[1]	No
Culture	All[1]	No
Nucleic acid detection	All[1]	No

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

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

Condition: Listeriosis **Organisms: *Listeria species***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Culture	Positive	No
Nucleic acid detection	Positive	No

[1]Only 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, including typhoid and paratyphoid fever **Organisms: *Salmonella species***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibiotic susceptibility, any method[1]	All	No
Culture	Positive	No
Nucleic acid detection	Positive	No

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

Condition: Shigellosis **Organisms: *Shigella species***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibiotic susceptibility, any method[1]	All	No
Culture	Positive	No
Nucleic acid detection[2]	Positive	No

[1]Complete antibiotic susceptibility results are reportable when performed on *Shigella* species.
[2]This includes results that do not differentiate between *Shigella* and Enteroinvasive *E. coli* (EIEC).

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

ENTERIC DISEASES – VIRAL AND PARASITIC

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

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

Condition: Giardiasis **Organisms: *Giardia lamblia***		
Reportable Test	*Reportable Result*	*Quantitation Required*
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**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Nucleic acid detection	Positive	No

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

HEALTHCARE-ASSOCIATED INFECTIONS

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

[1]Other 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. lusitaniae, C. tropicalis, and C. kruseil and any other yeast infections that do not fit the above criteria.

Condition: Carbapenem resistant organism **Organisms: *Acinetobacter species*, *Enterobacter species*, *Escherichia coli*, *Klebsiella species,* and *Pseudomonas aeruginosa* that are resistant to carbapenems**		
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

[1]When 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.
[2]Laboratories should report carbapenem resistance using the most current CLSI breakpoints (June 2013).
[3]All carbapemenase testing performed on these organisms are reportable, including the method used.

Condition: Carbapenemase-producing organisms **Organisms: *Acinetobacter species*, *Pseudomonas aeruginosa,* and all *Enterobacteriaceae* including *Enterobacter species*, *Escherichia coli*, and *Klebsiella species***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Phenotypic presence of carbapenemase (Modified Hodge test)	Positive	No
Genotypic presence of carbapenemase (PCR)	Positive	No

Condition: *Staphylococcus aureus*, methicillin resistant (MRSA), invasive **Organism: *Staphylococcus aureus***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibiotic susceptibility, any method	Resistant[1]	Yes
Methicillin Resistance by PCR	Resistant	No

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

Condition: *Staphylococcus aureus*, methicillin susceptible (MSSA), invasive **Organism: *Staphylococcus aureus***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibiotic susceptibility, any method	Susceptible[1]	Yes
Methicillin Resistance by PCR	Susceptible	No

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

Condition: *Staphylococcus aureus*, vancomycin resistant (VRSA) **Organisms: *Staphylococcus aureus***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibiotic susceptibility, any method	Resistant[2]	Yes

[1]When 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.

HIV/AIDS

Condition: HIV/AIDS **Organisms: Human immunodeficiency virus**		
Reportable Test	*Reportable Result*	*Quantitation Required*
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

[1]This is a 4th generation EIA - generally HIV 1/2 + Ag.
[2]This is a 3rd generation EIA - generally HIV1+O+HIV2.
[3]All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.
[4]This 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: *Mycobacterium species***		
Reportable Test	*Reportable Result*	*Quantitation Required*
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

[1]Complete antibiotic susceptibility results are reportable when performed on Mycobacterium tuberculosis isolates.
[2]All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

SEXUALLY TRANSMITTED DISEASES

Condition: Chancroid **Organisms: *Haemophilus ducreyi***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Culture	Positive	No

Condition: *Chlamydia trachomatis* infection **Organisms: *Chlamydia trachomatis***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antigen, any method	All[1]	No
Culture	All[1]	No
Nucleic acid detection	All[1]	No

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

Condition: Gonorrhea **Organisms: *Neisseria gonorrhoeae***		
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

[1]All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.
[2]Complete antibiotic susceptibility results are reportable when performed on Neisseria gonorrhoeae.

Condition: Syphilis **Organisms: *Treponema palladium***		
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

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

VACCINE PREVENTABLE AND INVASIVE DISEASES

Condition: Chickenpox **Organisms: Varicella zoster virus**		
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: *Corynebacterium diphtheriae***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Culture	Positive	No
Histopathology	Positive	No
Nucleic acid detection	Positive	No

Condition: *Haemophilus influenzae*, invasive **Organisms: *Haemophilus influenzae***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Culture[1]	Positive	No
Antigen, any method[2]	Positive	No

[1]Only 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).
[2]Only reportable if specimen source is CSF.

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

Condition: Measles **Organisms: *Measles virus***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, including IgG	Positive	No
Nucleic acid detection	Positive	No
Culture	Positive	No

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

[1]Only reportable if specimen source is CSF.

Condition: Meningococcal disease, invasive **Organisms: *Neisseria meningitidis***		
Reportable Test	*Reportable Result*	*Quantitation Required*
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

[1]Only reportable if specimen source is CSF.

[2]Formalin-fixed tissue.

[3]Only 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**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, including IgG	Positive	Yes
Culture	Positive	No
Nucleic acid detection	Positive	No

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

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

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

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

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

Condition: Streptococcal disease, invasive **Organisms: *Streptococcus species***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibiotic susceptibility, any method[1]	All	No
Culture[2]	Positive	No

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

[2]Only 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: *Anaplasma phagocytophilum*, *Ehrlichia chaffeensis*, and *Ehrlichia ewingii***		
Reportable Test	*Reportable Result*	*Quantitation Required*
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: *Bacillus anthracis***		
Reportable Test	*Reportable Result*	*Quantitation Required*
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: *Brucella species***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: Lyme disease **Organisms: *Borrelia burgdorferi, Borrelia mayonii***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, including IgG[1]	All[2]	Yes
Culture	All[2]	No
Nucleic acid detection	All[2]	No

[1]Western Blot test results should include the number of bands identified.
[2]All test results are reportable. This includes positive/reactive, indeterminate, equivocal, and negative/non-reactive.

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

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

Condition: Q fever **Organisms: *Coxiella burnetii***		
Reportable Test	*Reportable Result*	*Quantitation Required*
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: *Borrelia species* (not burgdorferi)**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, any method	Positive	No
Culture	Positive	No
Microscopic identification	Positive for spirochetes	No

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

Condition: Tularemia **Organisms: *Francisella tularensis***		
Reportable Test	*Reportable Result*	*Quantitation Required*
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**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, including plaque reduction neutralization	All[1]	No
Antigen, any method	All[1]	No
Culture	All[1]	No
Nucleic acid detection	All[1]	No

[1]All 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**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, including IgG and plaque reduction neutralization	Positive	Yes[1]
Antigen, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

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

Condition: Colorado tick fever **Organisms: Colorado tick fever virus**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, including IgG	Positive	No
Culture	Positive	No

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

Condition: Rabies **Organisms: Lyssavirus**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, Rabies Neutralizing	Positive	Yes[1]
Antigen, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

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

Condition: Viral hemorrhagic fever **Organisms: Crimean-Congo hemorrhagic fever, Ebola, Guanarito, Junin, Lassa, Lujo, Machupo, Marburg, Rift Valley fever, and Sabia viruses**		
Reportable Test	*Reportable Result*	*Quantitation Required*
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: *Babesia species***		
Reportable Test	*Reportable Result*	*Quantitation Required*
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: *Trypanosoma cruzi***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, including IgG	Positive	No
Antigen, any method	Positive	No
Microscopic identification	Identification of Trypanosoma cruzi parasite	No
Nucleic acid detection	Positive	No

Condition: Leptospirosis **Organisms: *Leptospira species***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, IgM	Positive	No
Culture	Positive	No

Condition: Malaria **Organisms: *Plasmodium species***		
Reportable Test	*Reportable Result*	*Quantitation Required*
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**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, IgM	All[1]	No

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

Condition: Hepatitis B virus infection **Organisms: Hepatitis B virus**		
Reportable Test	*Reportable Result*	*Quantitation Required*
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

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

Condition: Hepatitis C virus infection **Organisms: Hepatitis C virus**		
Reportable Test	*Reportable Result*	*Quantitation Required*
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]	No

[1]All 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**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, IgM	Positive	No
Antigen, any method	Positive	No

Condition: Liver function tests, associated with viral hepatitis cases[1] **Organisms: NA**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Alanine amino transferase (ALT)	All[2]	Yes
Aspartate aminotransferase (AST)	All[2]	Yes
Bilirubin	All[2]	Yes

[1]Liver 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.
[2]All test results are reportable.

OTHER DISEASES

Condition: CD4 Test **Organisms: NA**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Value, total and percent[1]	All	Yes

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

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

Condition: Coronavirus, Novel – COVID-19 **Organisms: SARS-CoV-2 coronavirus**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, including IgG	All[1]	Yes
Antigen, any method	All[1]	No
Culture	All[1]	No
Nucleic acid detection	All[1]	No

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

Condition: Coronavirus, Novel – MERS **Organisms*:* MERS coronavirus**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antigen, any method	Positive	No
Culture[1]	Positive	No
Nucleic acid detection[1]	Positive	No

Condition: Coronavirus, Novel – SARS **Organisms: SARS-CoV-1 coronavirus**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, any method	Positive	No
Culture	Positive	No
Nucleic acid detection	Positive	No

Condition: Cytomegalovirus, infant **Organisms: Cytomegalovirus**		
Reportable Test	*Reportable Result*	*Quantitation Required*
Antibody, including IgG	All[1]	No
Culture	All[1]	No
Nucleic acid detection	All[1]	No

[1]All 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: *Legionella species***		
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: Respiratory Syncytial Virus (RSV) **Organisms: *Human respiratory syncytial virus***		
Reportable Test	*Reportable Result*	*Quantitation Required*
Nucleic Acid Detection, any method	Positive	No
Antigen, any method	Positive	No
Viral culture	Positive	No
Antibody, IgM	Positive	No

Condition: Transmissible Spongiform Encephalopathies **Organisms: All prions, such as CJD, vCJD, iCJD, fCJD, sCJD, Gerstmann-Straussler-Scheinker syndrome or Kuru**		
Reportable Test	*Reportable Result*	*Quantitation Required*
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 Meaningful Use Reporting Webpage

http://health.utah.gov/meaningfuluse

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
2/7/2018	V1.1	Added nucleic acid detection to *Haemophilus influenzae*, invasive streptococcus, listeriosis, salmonellosis, hepatitis B and hepatitis C as reportable tests.
2/7/2018	V1.1	Added *Bacillus cereus* expressing anthrax toxins as a reportable organism under Anthrax.
2/7/2018	V1.1	Added Pseudomonas aeruginosa as a newly reportable condition under Carbapenem resistant organism.
2/7/2018	V1.1	Added *Staphylococcus aureus*, methicillin resistant (MRSA), *Staphylococcus aureus*, methicillin susceptible (MSSA), Candida auris or Candida haemulonii, Chagas disease, and MERS as newly reportable conditions.
2/7/2018	V1.1	Added susceptibility panels as reportable when performed on: *Neisseria gonorrhoeae*, *Shigella species*, *Salmonella species*, and *Streptococcus pneumoniae*.
2/7/2018	V1.1	Removed *Staphylococcus aureus*, vancomycin intermediate as a reportable condition.
11/1/2019	V1.2	Renamed “Antibiotic Resistant Organisms” category to “Healthcare-Associated Infections”.
11/1/2019	V1.2	Renamed “Salmonellosis and typhoid fever” to “Salmonellosis, including typhoid and paratyphoid fever**”.**
11/1/2019	V1.2	Added Carbapenemase-Producing Organism and Respiratory Syncytial Virus as newly reportable conditions.
11/1/2019	V1.2	Added all Cabapenemase testing results as reportable under Carbapenem resistant organism.
11/1/2019	V1.2	Added Borrelia mayonii as an organism under “Lyme Disease”.
11/1/2019	V1.2	Updated email address to edx@utah.gov.
7/16/2020	V1.3	Added “Coronavirus, Novel – COVID-19” as a reportable condition.