

44:59:01:01. List of laboratory tests. The tests conducted in the health laboratory are as follows:

(1) Environmental Chemistry, Inorganic:

- 1.01 Alkalinity
- 1.02 Aluminum
- 1.03 Ammonia
- 1.04 Antimony
- 1.05 Arsenic
- 1.06 Barium
- 1.07 Beryllium
- 1.08 BOD
- 1.09 Boron
- 1.10 Cadmium
- 1.11 Calcium
- 1.12 CBOD
- 1.13 Chloride
- 1.14 Chromium
- 1.15 COD
- 1.16 Conductivity
- 1.17 Copper
- 1.18 Digestion Free-Total Recoverable Metals
- 1.19 Digestion Free-Total Metals
- 1.20 Fluoride
- 1.21 Hardness, Titrated
- 1.22 Iodine
- 1.23 Iron
- 1.24 Lead, Blood
- 1.25 Lead, Environmental
- 1.26 Magnesium
- 1.27 Manganese
- 1.28 Mercury
- 1.29 Molybdenum
- 1.30 Nickel
- 1.31 Nitrate
- 1.32 Nitrite
- 1.33 pH
- 1.34 Phosphate, Ortho
- 1.35 Phosphorous, Total
- 1.36 Potassium
- 1.37 Selenium
- 1.38 Silver
- 1.39 Sodium
- 1.40 Solids, Dissolved
- 1.41 Solids, Suspended

- 1.42 Solids, Total
- 1.43 Solids, Volatile Suspended
- 1.44 Solids, Volatile Total
- 1.45 Sulfate
- 1.46 Thallium
- 1.47 TKN
- 1.48 Vanadium
- 1.49 Zinc
- 1.50 Additional tests not listed

(2) Environmental Chemistry, Microbiology:

- 2.01 Distilled Water Suitability
- 2.02 Fecal coliform-MF
- 2.03 Fecal Coliform-25 tube
- 2.04 Food, Routine
- 2.05 Iron Bacteria
- 2.06 Plate count
- 2.07 Pseudomonas
- 2.08 Sterility
- 2.09 Total Coliform-PA (Fecal Coliform-PA included in fee
- 2.10 Total Coliform-5 tube
- 2.11 Total Coliform-25 tube
- 2.12 Additional test not listed

(3) Environmental Chemistry, Organic:

- 3.01 Alachlor
- 3.02 Aldrin
- 3.03 Atrazine-525
- 3.04 Atrazine (EIA)
- 3.05 Benzo (A) Pyrene
- 3.06 Butachlor
- 3.07 Chlordane
- 3.08 Chlorinated Acids, GC
- 3.09 Chlorinated Pesticides
- 3.10 DI (Ethylhexyl) Adipate
- 3.11 DI (Ethylhexyl) Phthalate
- 3.12 Dieldrin
- 3.13 Diquat, HPLC
- 3.14 Endothall, GC
- 3.15 Endrin
- 3.16 Ethylene Dibromide
- 3.17 Glyphosate, HPLC
- 3.18 Heptachlor
- 3.19 Heptachlor Epoxide

- 3.20 Hexachlorobenzene
- 3.21 Hexachlorocyclopentadiene
- 3.22 Lindane
- 3.23 Method 525 Extraction
- 3.24 Methoxychlor
- 3.25 Metolachlor
- 3.26 Metribuzin
- 3.27 N-Methylcarbamates, HPLC
- 3.28 N/P Pesticides
- 3.29 Organic Compounds, GC/MS
- 3.30 Organohalide Pesticides
- 3.31 PAHS
- 3.32 PCB Screen
- 3.33 Phthalate/Adipate Esters
- 3.34 Propochlor
- 3.35 Simazine
- 3.36 Total Trihalomethanes
- 3.37 Toxaphene
- 3.38 Volatile organic compounds
- 3.39 Additional test not listed

(4) Environmental Chemistry, Radio-Chemistry:

- 4.01 Gross Alpha/Beta
- 4.02 Radium-226
- 4.03 Radium-228
- 4.04 Radon-Air
- 4.05 Radon-Water
- 4.06 Uranium
- 4.07 Additional test not listed

(5) Forensics:

- 5.01 Alcohol, Beverage
- 5.02 Alcohol, Blood
- 5.03 Alcohol, Urine
- 5.04 Alcohol, Vitreous Humor
- 5.05 Carbon Monoxide, Blood
- 5.06 Drug Screen, Urine
- 5.07 Drug Test, Urine (Amphetamine)
- 5.08 Drug Test, Urine (Cocaine)
- 5.09 Drug Test, Urine (Marijuana)
- 5.10 Drug Test, Urine (Opiate)
- 5.11 Drug Analysis, Substance
- 5.12 Drug Analysis, Substance (Marijuana Only)

(6) Medical Microbiology:

- 6.01 Adenovirus, IgG Antibody, Quantitative (requires paired specimens)
- 6.02 Adenovirus, Direct Antigen, F.A.
- 6.03 Arbovirus Encephalitis Antibody Panel, IgG Antibody, Qualitative (requires paired specimens; includes SLE, WE, CaE)
- 6.04 Arbovirus Encephalitis Antibody Panel (IgM) (includes SLE, WE, CaE)
- 6.05 Blood, Lead
- 6.06 Bordetella Pertussis, Culture
- 6.07 Borrelia Burgdorferi Antibody (See Lyme Disease)
- 6.08 Brucella, Antibody, Quantitative (requires paired specimens)
- 6.09 California Encephalitis, IgM Antibody
- 6.10 California Encephalitis, IgG Antibody, Quantitative (requires paired specimens)
- 6.11 Chlamydia/Gonorrhoeae Panel, Direct Detection
- 6.12 Chlamydia, Direct Detection
- 6.13 Colorado Tick Fever, IgG Antibody, Quantitative (requires paired specimens)
- 6.14 Cryptosporidium
- 6.15 Cytomegalovirus Culture (Virus Isolation)
- 6.16 Cytomegalovirus, IgG Antibody, Qualitative
- 6.17 Cytomegalovirus, IgG Antibody, Quantitative (requires paired specimens)
- 6.18 Cytomegalovirus, IgM Antibody
- 6.19 Diphtheria Culture
- 6.20 E. coli 0157:H7, Isolation and Identification
- 6.21 Enteric Bacteria Profile (Salmonella, Shigella, Campylobacter and E. Coli 0157:H7)
- 6.22 Enteric Bacterial Reference Culture
- 6.23 Enterovirus Culture (Virus Isolation)
- 6.24 Gonorrhoeae Culture
- 6.25 Gonorrhoeae Reference Culture
- 6.26 Gonorrhoeae, Direct Detection
- 6.27 Hantavirus Antibody (prior approval required)
- 6.28 Hepatitis A Antibody, IgM
- 6.29 Hepatitis A Antibody, Total
- 6.30 Hepatitis B Surface Antigen (includes confirmation, if reactive)
- 6.31 Hepatitis B Surface Antibody
- 6.32 Hepatitis B Core Antibody, IgM
- 6.33 Hepatitis B Core Antibody, Total
- 6.34 Hepatitis Be Antigen (Referral)
- 6.35 Hepatitis Be Antibody (Referral)
- 6.36 Hepatitis B Profile, Pre-Vaccination Screen (HBsAb and HBcAb)
- 6.37 Hepatitis B Profile, Post Vaccination Screen (HBsAb)
- 6.38 Hepatitis B Profile, Pre-Natal Screen (HBsAg, reflex to HbeAg if

- positive)
- 6.39 Hepatitis Acute Profile (HBsAg, HBcAb-IgM, HAV-IgM, HCV)
 - 6.40 Hepatitis B Chronic Profile (HBsAg, HBsAb, HBcAb)
 - 6.41 Hepatitis B Diagnostic Profile (HBsAg, HBcAb-IgM, HBsAb)
 - 6.42 Hepatitis C Antibody
 - 6.43 Herpes Simplex Virus Culture (Virus Isolation)
 - 6.44 Herpes Simplex, IgG Antibody, Qualitative
 - 6.45 Herpes Simplex, IgG Antibody, Quantitative (requires paired specimens)
 - 6.46 Herpes Simplex, IgM Antibody
 - 6.47 HIV Antibody (if reactive, reflex to confirmatory test)
 - 6.48 Influenza type A, IgG Antibody, Quantitative (requires paired specimens)
 - 6.49 Influenza type A, Direct Antigen, F.A.
 - 6.50 Influenza type B, IgG Antibody, Quantitative (requires paired specimens)
 - 6.51 Influenza type B, Direct Antigen, F.A.
 - 6.52 Lead, Blood
 - 6.53 Legionella, IgG Antibody, Quantitative (requires paired specimens)
 - 6.54 Lyme Disease, Antibody (if reactive, reflex to Western Blot)
 - 6.55 MHA-TP (requires prior approval)
 - 6.56 Miscellaneous Bacterial Reference Culture
 - 6.57 Mumps, IgG Antibody, Qualitative
 - 6.58 Mumps, IgG Antibody, Quantitative (requires paired specimens)
 - 6.59 Mumps, IgM Antibody
 - 6.60 Mycobacteria Primary Culture
 - 6.61 Mycobacteria Reference Culture
 - 6.62 Mycology Reference Culture
 - 6.63 Ova and Parasites, Intestinal
 - 6.64 Parainfluenza type 1, IgG Antibody, Quantitative (requires paired specimens)
 - 6.65 Parainfluenza type 2, IgG Antibody, Quantitative (requires paired specimens)
 - 6.66 Parainfluenza type 3, IgG Antibody, Quantitative (requires paired specimens)
 - 6.67 Parainfluenza 1,2,3, Direct Antigen, F.A.
 - 6.68 Q-Fever, Phase 1 & 2, IgG, Antibodies, Quantitative (requires paired specimens)
 - 6.69 Q-Fever, Phase 1 & 2, IgM, Antibody
 - 6.70 Rabies, Direct Detection, F.A.
 - 6.71 Rabies, Antibody (Referral)
 - 6.72 Referred Specimens (CDC)
 - 6.73 Respiratory Infection Panel, IgG Antibodies, Quantitative (Adenovirus, Influenza A & B, Parainfluenza 1,2,3 and RSV; requires paired specimens)
 - 6.74 Respiratory Infection Panel, Direct Antigens, F.A.

- (Adenovirus, Influenza A & B, Parainfluenza 1,2,3)
- 6.75 Respiratory Syncytial Virus, IgG Antibody, Quantitative
(requires paired specimens)
 - 6.76 Respiratory Syncytial Virus, Direct Antigen, F.A.
 - 6.77 Respiratory Virus Culture (Virus Isolation)
 - 6.78 Rickettsial Infection Panel, IgG Antibody, Quantitative
(Rocky Mountain Spotted Fever, Q-Fever, Typhus;
requires paired specimens)
 - 6.79 Rocky Mountain Spotted Fever, IgG Antibody, Quantitative
(requires paired specimens)
 - 6.80 Rocky Mountain Spotted Fever, IgM Antibody
 - 6.81 RPR (if reactive, quantitate and reflex to MHA-TP)
 - 6.82 Rubella, IgG Antibody, Qualitative
 - 6.83 Rubella, Diagnostic, IgG/IgM Antibodies
 - 6.84 Rubeola, IgG Antibody, Qualitative
 - 6.85 Rubeola, IgG Antibody, Quantitative (requires paired specimens)
 - 6.86 Rubeola, IgM Antibody
 - 6.87 SIN Nombre Virus Antibody, See Hantavirus
 - 6.88 St. Louis Encephalitis, IgG Antibody, Quantitative
(requires paired specimens)
 - 6.89 St. Louis Encephalitis, IgM Antibody
 - 6.90 Syphilis (See RPR, MHA-TP)
 - 6.91 Tularemia, Antibody, Quantitative (requires paired specimens)
 - 6.92 Typhus, IgG Antibody, Quantitative (requires paired specimens)
 - 6.93 Typhus, IgM Antibody
 - 6.94 Varicella-Zoster, IgG Antibody, Qualitative
 - 6.95 Varicella-Zoster, IgG Antibody, Quantitative
(requires paired specimens)
 - 6.96 Varicella-Zoster, IgM Antibody
 - 6.97 VDRL-Spinal Fluid Only (Referral)
(requires previous reactive serum Treponemal test)
 - 6.98 Virus Culture, Miscellaneous (Virus Isolation)
 - 6.99 Vibrio Culture
 - 6.100 Western Encephalitis, IgG Antibody, Quantitative
(requires paired specimens)
 - 6.101 Western Encephalitis, IgM Antibody
 - 6.102 Yersinia Culture
 - 6.103 Additional tests not listed

Fees to cover the cost of additional testing requested as part of an emergency investigation of an outbreak or special study shall be negotiated with the submitter prior to acceptance of specimens or samples for testing.

Source: 4 SDR 14, effective September 14, 1977; 6 SDR 93, effective July 1, 1980; 18 SDR 89, effective November 24, 1991; 19 SDR 172, effective July 1, 1993; 21 SDR 97,

effective November 27, 1994; 21 SDR 219, effective June 27, 1995; 22 SDR 184, effective July 4, 1996.

General Authority: SDCL 1-49-3, 34-1-16.1.

Law Implemented: SDCL 1-49-3, 34-1-16.1, 34A-3A-16.

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