

PUBLIC HEALTH – SEATTLE & KING COUNTY LABORATORY

DIRECTORY OF SERVICES

January 1, 2023

The primary objective of the Public Health – Seattle & King County Laboratory is to assist in the prevention of disease spread. This is accomplished by identifying patients and environmental samples which carry organisms that are potentially harmful to the health of the residents of King County. One of the ways to achieve this objective is for the public health laboratory to make available certain services to health care providers.

FEES AND BILLING

The following fee and billing information applies to all services provided to Public Health - Seattle King County and non-Public Health - Seattle & King County health care providers.

A fee which covers the cost of providing service is imposed for all procedures. Fees are listed on pages 8 – 9 of this directory of services.

Public Health – Seattle & King County programs that have submitted specimens will be automatically billed each week. Statements will be sent each month to non-Public Health – Seattle & King County health care providers who have submitted specimens. We are not authorized to bill individual patients.

SPECIMEN STORAGE AND TRANSPORTATION

When submitting specimens to the public health laboratory, please complete a test order form and send with the specimen to the Public Health – Seattle & King County Laboratory located at Harborview Medical Center in the Basement of the West Clinic across the hall from the West Clinic Elevators. Specimens can also be dropped off at a health department specimen pickup station.

Refrigerate all specimens except gonorrhea cultures, chancroid cultures, and Quantiferon-TB Plus specimens until they are delivered to the public health laboratory or to a health department specimen pickup station.

Gonorrhea cultures and chancroid cultures are to be kept in a 35-37°C incubator with 3-10% CO₂ and increased humidity overnight before they are delivered to the public health laboratory or to a health department specimen pickup station.

Quantiferon-TB Plus specimens in QFT blood collection tubes are to be kept at room temperature and delivered to the public health laboratory within 16 hours of collection or incubated at 37°C for 16 to 24 hours and stored in the refrigerator until they are delivered to the public health laboratory. Quantiferon-TB Plus specimens in lithium-heparin tubes are to be kept at room temperature and delivered to the public health laboratory within 12 hours of collection or refrigerated and delivered to the public health laboratory within 16 to 48 hours.

Most supplies and containers are available from the public health laboratory.

The addresses of the health department specimen pickup stations and approximate specimen pickup times are listed on page 7 of this informational bulletin.

For further information, contact the public health laboratory at (206) 744-8950 or by FAX at (206) 744-8963, or go to www.kingcounty.gov/lab.

MICROBIOLOGY

Acid fast bacillus, smear	Specimen: Early morning sputum, midstream urine, or other body fluid specimen in sterile screw-capped container. Three specimens collected on successive days is recommended. Performed: M – F, results next day
Adenovirus NAAT	Specimen: Male urethral swab specimen in viral transport medium (use polyester swab on plastic or wire shaft) Performed: M-F, results same day
<i>Bordetella pertussis</i> NAAT	Specimen: Nasopharyngeal swab in viral transport medium (use polyester swab on plastic or wire shaft) Performed: M – F, results same day
<i>Chlamydia trachomatis</i> and <i>Neisseria gonorrhoeae</i> APTIMA	Specimen: Endocervical or male urethral swab in APTIMA unisex swab transport tube; rectal, throat, or vaginal swab in APTIMA multitest swab transport tube; or 2 mL of first 20-30 mL of voided urine in APTIMA urine transport tube Performed: M - F, results next day
Cryptosporidium spp., <i>Cyclospora cayetanensis</i> , and <i>Isospora belli</i> by modified acid-fast stain	Specimen: Stool in EcoFix vial Performed: M – F, results next day
Culture, Acid fast bacillus. Includes DNA probe identification of isolates.	Specimen: Early morning sputum, midstream urine, or other body fluid specimen in sterile screw-capped container. Three specimens collected on successive days is recommended. Performed: M – F, results in 1 – 8 weeks
Culture, Gonorrhea	Specimen: Order kits from the laboratory, (206) 744-8950 Performed: M – F, results in 1-2 days
Culture, <i>Haemophilus ducreyi</i>	Specimen: Order kits from the laboratory, (206) 744-8950 Performed: M – F, results in 2 – 9 days
Culture, Stool (Salmonella, Shigella, Campylobacter, Shiga toxin producing <i>E. coli</i> such as <i>E. coli</i> O157:H7)	Specimen: Stool in Cary-Blair medium Performed: M – F, results in 3-5 days
<i>E. coli</i> Shiga toxin	Specimen: Stool in Cary-Blair medium Performed: M - F, results next day

<p>Enteric Pathogens NAAT (Campylobacter group, Salmonella species, Shigella species, Vibrio group, <i>Yersinia enterocolitica</i>, Shiga toxin 1, Shiga toxin 2, Norovirus GI/GII, Rotavirus A)</p>	<p>Specimen: Stool in Cary-Blair medium Performed: M-F, results same day</p>
<p>Group A streptococcus NAAT</p>	<p>Specimen: Throat swab in CultureSwab (use polyester swab on plastic shaft) Performed: M – F, results same day</p>
<p>Herpes simplex virus type 1 and type 2 NAAT</p>	<p>Specimen: Lesion swab in viral transport medium (use polyester swab on plastic or wire shaft) Performed: M – F, results same day</p>
<p>Influenza A and B NAAT</p>	<p>Specimen: Nasopharyngeal swab, nasal swab, or throat swab in viral transport medium (use polyester swab on plastic or wire shaft) Performed: M – F, results same day</p>
<p>M. tuberculosis complex/Rifampin resistance PCR</p>	<p>Specimen: Early morning sputum, midstream urine, or other body fluid specimen in sterile screw-capped container Performed: M – F, results same day</p>
<p>Mycoplasma genitalium NAAT</p>	<p>Specimen: Endocervical or male urethral swab in APTIMA unisex swab transport tube; vaginal or rectal swab in APTIMA multitest swab transport tube; or 2 mL of first 20-30 mL of voided urine in APTIMA urine transport tube Performed: T, F results same day</p>
<p><i>Neisseria gonorrhoeae</i> and <i>Chlamydia trachomatis</i> APTIMA</p>	<p>Specimen: Endocervical or male urethral swab in APTIMA unisex swab transport tube; rectal, throat, or vaginal swab in APTIMA multitest swab transport tube; or 2 mL of first 20-30 mL of voided urine in APTIMA urine transport tube Performed: M – F, results next day</p>
<p>Ova and parasites examination</p>	<p>Specimen: Stool in EcoFix vial. Three specimens collected every other day is recommended. Performed: M – F, results same day</p>
<p>Pinworm examination</p>	<p>Specimen: Order kits with adhesive paddle from the laboratory, (206) 744-8950 Performed: M – F, results same day</p>

Respiratory Pathogens NAAT
(Adenovirus, human metapneumovirus, influenza A, influenza A subtype H1, influenza A subtype H3, influenza B, parainfluenza 1, parainfluenza 2, parainfluenza 3, parainfluenza 4, respiratory syncytial virus A, respiratory syncytial virus B, rhinovirus, *Bordetella parapertussis/ bronchiseptica*, *Bordetella holmesii*, *Bordetella pertussis*)

Specimen: Nasopharyngeal swab, nasal swab, or throat swab in viral transport medium (use polyester swab on plastic or wire shaft)
Performed: M-F, results same day

SARS-CoV-2 NAAT

Specimen: Nasopharyngeal swab, nasal swab or throat swab in viral transport medium
Performed: M-F, results next day

Trichomonas vaginalis APTIMA

Specimen: Endocervical or male urethral swab in APTIMA unisex swab transport tube; vaginal swab in APTIMA multitest swab transport tube; or 2 mL of first 20-30 mL of voided urine in APTIMA urine transport tube
Performed: M, Th, results same day

Varicella zoster virus NAAT

Specimen: Lesion swab in viral transport medium (use polyester swab on plastic or wire shaft)
Performed: M – F, results same day

SEROLOGY

Hepatitis A antibody, IgM (IgM anti-HAV), EIA

Specimen: 1 mL serum (red top)
Performed: Sent to reference lab

Hepatitis A antibody (anti-HAV), EIA

Specimen: 1 mL serum (red top)
Performed: T, F, results same day

Hepatitis B surface antigen (HBsAg), EIA. HBsAg confirmatory assay is also performed when EIA is positive.

Specimen: 2 mL serum (red top)
Performed: T, F, results same day

Hepatitis B surface antigen (HBsAg) confirmatory assay

Specimen: 2 mL serum (red top)
Performed: T, F, results same day

Hepatitis B surface antibody (anti-HBs), EIA

Specimen: 1 mL serum (red top)
Performed: T, F, results same day

Hepatitis B core antibody, IgM (IgM anti-HBc), EIA

Specimen: 1 mL serum (red top)
Performed: Sent to reference lab

Hepatitis B core antibody (anti-HBc), EIA

Specimen: 1 mL serum (red top)
Performed: T, F, results same day

Hepatitis C antibody (anti-HCV), EIA. HCV RNA is also performed when EIA is positive.	Specimen: 1 mL serum (red top) Performed: T, F, results same day
HCV RNA Quantitative	Specimen: 1 mL serum (red top) or plasma (lavender top). Centrifuge and transfer serum or plasma to a polypropylene screw-cap tube. Performed: W, results same day
Herpes simplex type 1 antibody (type-specific), IgG, EIA	Specimen: 1 mL serum (red top) Performed: M, Th, results same day
Herpes simplex type 2 antibody, (type-specific), IgG, EIA. HSV antibody Western Blot is also performed when EIA is low positive or equivocal.	Specimen: 1 mL serum (red top) Performed: M, Th, results same day
HIV-1/HIV-2 antigen/antibody, EIA. HIV-1/HIV-2 antibody Geenius confirmation assay is also performed when EIA is positive. HIV-1 RNA quantitative, is also performed when EIA is positive and Geenius is negative or indeterminate	Specimen: 1 mL serum (red top) Performed: M – F, results next day
HIV-1/HIV-2 antibody confirmation, Geenius	Specimen: 1 mL serum (red top) Performed: M – F, results same day
HIV-1 RNA, pooled	Specimen: 1 mL HIV antibody negative serum Performed: Sent to reference lab
HIV-1 RNA, quantitative	Specimen: 1 mL serum (red top) Performed: Sent to reference lab
HSV antibody, Western blot	Specimen: 1 mL serum (red top) Performed: Sent to reference lab
Measles antibody, IgG, ELFA	Specimen: 1 mL serum (red top) Performed: W, results same day
Mumps antibody, IgG, ELFA	Specimen: 1 mL serum (red top) Performed: W, results same day
Quantiferon-TB Plus	Specimen: Whole blood in Quantiferon-TB Plus collection tubes OR lithium-heparin tubes Performed: T, F, results same day
Rubella antibody, IgG, ELFA	Specimen: 1 mL serum (red top) Performed: W, results same day
Syphilis, RPR, qualitative. Quantitative assay is also performed when qualitative assay is reactive.	Specimen: 1 mL serum (red top) Performed: M – F, results same day
Syphilis, RPR, quantitative.	Specimen: 1 mL serum (red top) Performed: M – F, results same day

Syphilis, treponemal antibody, confirmation, EIA

Specimen: 1 mL serum (red top)
Performed: Sent to state lab

Syphilis, treponemal antibody, TP-PA

Specimen: 1 mL serum (red top)
Performed: T, F, results same day

Syphilis, treponemal antibody, FTA-ABS, CSF

Specimen: 1 mL cerebrospinal fluid
Performed: W, results same day

Syphilis, VDRL, CSF, qualitative. Quantitative assay is also performed when qualitative assay is reactive.

Specimen: 1 mL cerebrospinal fluid
Performed: M, Th, results same day

Syphilis, VDRL, CSF, quantitative

Specimen: 1 mL cerebrospinal fluid
Performed: M, Th, results same day

Varicella-zoster virus antibody, IgG, ELFA

Specimen: 1 mL serum (red top)
Performed: T, F, results same day

ENVIRONMENTAL

Water, drinking, total coliforms and *E. coli*

Drinking water specimens will be accepted provided such specimens are in containers purchased at the public health laboratory or at public health centers and are received in the laboratory within 30 hours of collection.

TEST METHOD ABBREVIATIONS

EIA	=	Enzyme Immunoassay
ELFA	=	Enzyme Linked Fluorescent Assay
FTA-ABS	=	Fluorescent Treponemal Antibody-Absorption
NAAT	=	Nucleic Acid Amplification Test
PCR	=	Polymerase Chain Reaction
RPR	=	Rapid Plasma Reagin card test
TP-PA	=	<i>Treponema pallidum</i> particle agglutination
VDRL	=	Venereal Disease Research Laboratory slide test

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SPECIMEN PICKUP AND DELIVERY SCHEDULE

January 1, 2023

<u>DISTRICT</u>	<u>ADDRESS</u>	<u>APPROXIMATE PICKUP TIME</u>
<u>North</u>		
North Public Health Center	10501 Meridian Ave N, Seattle	8:35 a.m.
State Laboratory	1610 NE 150 th Street, Shoreline	9:20 a.m.
<u>Central</u>		
Downtown Public Health Center	2124 4 th Ave, Seattle	7:45 a.m.
Public Health Laboratory, (Harborview Medical Center, Room BWC03)	325 9 th Ave., Seattle	8:00 a.m.- 5:00 p.m.
<u>Southwest</u>		
Federal Way Public Health Center	33431 13 th Pl S, Federal Way	11:30 a.m.
White Center Public Health Center	9934 8 th Ave SW, Seattle	1:00 p.m.
<u>Southeast</u>		
Auburn Public Health Center	901 Auburn Way N, Suite A, Auburn	12:50 p.m.
Columbia Health Center	4400 37 th Ave S, Seattle	9:45 a.m.
Kaiser Permanente Laboratory	12400 E Marginal Way S, Tukwila	10:30 a.m.
Kent Public Health Center	25742 104 th Ave SE, Kent	11:41 a.m.
Renton Public Health Center	3201 NE 7 th St, Renton	11:07 a.m.
<u>East</u>		
Eastgate Public Health Center	14350 SE Eastgate Way, Bellevue	10:16 a.m.
Northshore Public Health Center	10808 NE 145 th St, Bothell	9:44 a.m.

PUBLIC HEALTH – SEATTLE & KING COUNTY LABORATORY

FEES

January 1, 2023

MICROBIOLOGY	<u>FEES</u>
Acid fast bacillus, smear	\$30.00
Adenovirus NAAT	90.00
Bordetella pertussis NAAT	61.00
Chlamydia trachomatis and Neisseria gonorrhoeae APTIMA	32.00
Cryptosporidium, Cyclospora, and Isospora by modified acid-fast stain	25.00
Culture, Acid fast bacillus	100.00
Culture, Gonorrhea	39.00
Culture, Haemophilus ducreyi	39.00
Culture, Stool	50.00
E. coli Shiga toxin	36.00
Enteric Pathogens NAAT	120.00
Group A streptococcus NAAT	49.00
Herpes simplex virus type 1 and type 2 NAAT	60.00
Influenza virus A and B NAAT	60.00
M. tuberculosis complex / rifampin resistance by PCR	125.00
Mycoplasma genitalium NAAT	36.00
Neisseria gonorrhoeae and Chlamydia trachomatis APTIMA	32.00
Ova and parasites examination	50.00
Pinworm examination	25.00
Respiratory pathogens NAAT	90.00
SARS-CoV-2 NAAT	65.00
Trichomonas vaginalis APTIMA	35.00
Varicella zoster virus NAAT	60.00

SEROLOGY	<u>FEES</u>
Hepatitis A antibody, IgM	43.00
Hepatitis A antibody	27.00
Hepatitis B surface antigen, EIA	27.00
Hepatitis B surface antigen confirmatory assay	50.00
Hepatitis B surface antibody	27.00
Hepatitis B core antibody, IgM	43.00
Hepatitis B core antibody	27.00
Hepatitis C antibody, EIA	33.00
HCV RNA Quantitative	100.00
Herpes simplex type 1 antibody, IgG	36.00
Herpes simplex type 2 antibody, IgG	36.00
HIV-1/HIV-2 antigen/antibody, EIA	25.00
HIV-1/HIV-2 antibody, confirmation, Geenius	95.00
HIV-1 RNA, pooled	27.00
HIV-1 RNA, quantitative	89.00
HSV antibody, Western blot	275.00
Measles antibody, IgG	32.00
Mumps antibody, IgG	32.00
Quantiferon-TB Plus	50.00
Rubella antibody, IgG	32.00
Syphilis, RPR, qualitative	20.00

Syphilis, RPR, quantitative	27.00
Syphilis, treponemal antibody, confirmation, EIA	18.00 (send-out charge)
Syphilis, treponemal antibody, TP-PA	29.00
Syphilis, treponemal antibody, FTA-ABS, CSF	70.00
Syphilis, VDRL, CSF qualitative	25.00
Syphilis, VDRL, CSF quantitative	29.00
Varicella-zoster virus antibody, IgG	32.00

ENVIRONMENTAL

Water, drinking, for total coliforms and <i>E. coli</i> (purchase kits at public health laboratory or public health centers)	25.00
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