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 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 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.

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

**Bordetella pertussis NAAT**
- **Specimen:** Nasopharyngeal swab in CultureSwab (use polyester swab on wire shaft)
- **Performed:** M – F, results same day

**Chlamydia trachomatis and Neisseria gonorrhoeae 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 in 1 – 2 days

**Cryptosporidium spp., Cyclospora cayetanensis, and Isospora belli by modified acid-fast stain**
- **Specimen:** Feces 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, Haemophilus ducreyi**
- **Specimen:** Order kits from the laboratory, (206) 744-8950
- **Performed:** M – F, results in 2 – 9 days

**Culture, Respiratory virus, shell vial (adenovirus, influenza, parainfluenza, respiratory syncytial virus)**
- **Specimen:** Nasal swab, nasopharyngeal swab, nasal wash or aspirate, or throat swab in viral transport medium (use polyester swab on plastic or wire shaft)
- **Performed:** M – F, results in 2 – 3 days

**Culture, Stool (Salmonella, Shigella, Campylobacter, Shiga toxin producing E. coli such as E. coli O157:H7**
- **Specimen:** Feces in Enteric Pathogen Transport vial
- **Performed:** M – F, results in 3 – 5 days

**Culture, Virus (adenovirus)**
- **Specimen:** Swab specimen in viral transport medium (use polyester swab on plastic or wire shaft)
- **Performed:** M – F, results in 2-3 days

**E. coli Shiga toxin**
- **Specimen:** Feces in Enteric Pathogen Transport vial or overnight broth culture
- **Performed:** M - F, results next day
<table>
<thead>
<tr>
<th>Test</th>
<th>Specimen</th>
<th>Performed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Group A streptococcus NAAT</strong></td>
<td>Throat swab in CultureSwab (use polyester swab on plastic shaft)</td>
<td>M – F, results same day</td>
</tr>
<tr>
<td><strong>Herpes simplex virus type 1 and type 2 NAAT</strong></td>
<td>Lesion swab in viral transport medium (use polyester swab on plastic or wire shaft)</td>
<td>M – F, results same day</td>
</tr>
<tr>
<td><strong>Influenza A virus subtyping PCR (only performed on influenza A positive specimens)</strong></td>
<td>Nasal swab, nasopharyngeal swab, nasal wash or aspirate, or throat swab in viral transport medium (use polyester swab on plastic or wire shaft)</td>
<td>M, results same day</td>
</tr>
<tr>
<td><strong>Influenza A and B NAAT</strong></td>
<td>Nasal swab, nasopharyngeal swab, nasal wash or aspirate, or throat swab in viral transport medium (use polyester swab on plastic or wire shaft)</td>
<td>M – F, results same day</td>
</tr>
<tr>
<td><strong>M. tuberculosis complex and M. avium complex PCR</strong></td>
<td>Early morning sputum, midstream urine, or other body fluid specimen in sterile screw-capped container</td>
<td>Sent to state lab</td>
</tr>
<tr>
<td><strong>M. tuberculosis complex/Rifampin resistance PCR</strong></td>
<td>Early morning sputum, midstream urine, or other body fluid specimen in sterile screw-capped container</td>
<td>Sent to reference lab</td>
</tr>
<tr>
<td><strong>Mycoplasma genitalium NAAT</strong></td>
<td>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</td>
<td>T, results same day</td>
</tr>
<tr>
<td><strong>Neisseria gonorrhoeae and Chlamydia trachomatis APTIMA</strong></td>
<td>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</td>
<td>M – F, results in 1 – 2 days</td>
</tr>
<tr>
<td><strong>Ova and parasites examination</strong></td>
<td>Feces in EcoFix vial. Three specimens collected every other day is recommended.</td>
<td>M – F, results same day</td>
</tr>
<tr>
<td><strong>Pinworm examination</strong></td>
<td>Order kits with adhesive paddle from the laboratory, (206) 744-8950</td>
<td>M – F, results same day</td>
</tr>
<tr>
<td>Test</td>
<td>Specimen</td>
<td>Performed</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>---------------------------------------------------------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td><strong>SARS-CoV-2 NAAT</strong></td>
<td>Specimen: Nasopharyngeal swab, nasal swab or throat swab in viral transport medium or Aptima transport medium</td>
<td>M-F, results next day</td>
</tr>
<tr>
<td><strong>Trichomonas vaginalis APTIMA</strong></td>
<td>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</td>
<td>M, results same day</td>
</tr>
<tr>
<td><strong>Varicella zoster virus NAAT</strong></td>
<td>Specimen: Lesion swab in viral transport medium (use polyester swab on plastic or wire shaft)</td>
<td>M – F, results same day</td>
</tr>
<tr>
<td><strong>SEROLOGY</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hepatitis A antibody, IgM (IgM anti-HAV), EIA</td>
<td>Specimen: 1 mL serum (red top)</td>
<td>Sent to reference lab</td>
</tr>
<tr>
<td>Hepatitis A antibody (anti-HAV), EIA</td>
<td>Specimen: 1 mL serum (red top)</td>
<td>T, F, results same day</td>
</tr>
<tr>
<td>Hepatitis B surface antigen (HBsAg), EIA. HBsAg confirmatory assay is also performed when EIA is positive.</td>
<td>Specimen: 2 mL serum (red top)</td>
<td>T, F, results same day</td>
</tr>
<tr>
<td>Hepatitis B surface antigen (HBsAg) confirmatory assay</td>
<td>Specimen: 2 mL serum (red top)</td>
<td>T, F, results same day</td>
</tr>
<tr>
<td>Hepatitis B surface antibody (anti-HBs), EIA</td>
<td>Specimen: 1 mL serum (red top)</td>
<td>T, F, results same day</td>
</tr>
<tr>
<td>Hepatitis B core antibody, IgM (IgM anti-HBc), EIA</td>
<td>Specimen: 1 mL serum (red top)</td>
<td>Sent to reference lab</td>
</tr>
<tr>
<td>Hepatitis B core antibody (anti-HBc), EIA</td>
<td>Specimen: 1 mL serum (red top)</td>
<td>T, F, results same day</td>
</tr>
<tr>
<td>Hepatitis C antibody (anti-HCV), EIA. HCV RNA is also performed when EIA is positive.</td>
<td>Specimen: 1 mL serum (red top)</td>
<td>T, F, results same day</td>
</tr>
<tr>
<td>HCV RNA Quantitative</td>
<td>Specimen: 1 mL serum (red top) or plasma (lavender top). Centrifuge and transfer serum or plasma to a polypropylene screw-cap tube.</td>
<td>W, results same day</td>
</tr>
<tr>
<td>Herpes simplex type 1 antibody (type-specific), IgG, EIA</td>
<td>Specimen: 1 mL serum (red top)</td>
<td>M, Th, results same day</td>
</tr>
</tbody>
</table>
Herpes simplex type 2 antibody, (type-specific), IgG, EIA. HSV antibody Western Blot is also performed when EIA is low positive or equivocal.

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.

HIV-1/HIV-2 antibody confirmation, Geenius

HIV-1 RNA, pooled

HIV-1 RNA, quantitative

HSV antibody, Western blot

Measles antibody, IgG, EIA

Mumps antibody, IgG, EIA

Quantiferon-TB Plus

Rubella antibody, IgG, EIA

Syphilis, RPR, qualitative. Quantitative assay is also performed when qualitative assay is reactive.

Syphilis, RPR, quantitative.

Syphilis, treponemal antibody, confirmation, EIA

Syphilis, treponemal antibody, TP-PA

Syphilis, treponemal antibody, FTA-ABS, CSF

Syphilis, VDRL, CSF, qualitative. Quantitative assay is also performed when qualitative assay is reactive.
Syphilis, VDRL, CSF, quantitative
Specimen: 1 mL cerebrospinal fluid
Performed: M, Th, results same day

Varicella-zoster virus antibody, IgG, EIA
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
FTA-ABS = Fluorescent Treponemal Antibody-Absorption
NAAT = Nucleic Acid Amplification Test
PCR = Polymerase Chain Reaction
RPR = Rapid Plasma Reagin card test
TP-PA = *Treponema pallidum* particle agglutination
VDRL = Venereal Disease Research Laboratory slide test
**PUBLIC HEALTH – SEATTLE & KING COUNTY LABORATORY**

**SPECIMEN PICKUP AND DELIVERY SCHEDULE**

January 1, 2021

<table>
<thead>
<tr>
<th>DISTRICT</th>
<th>ADDRESS</th>
<th>APPROPRIATE PICKUP TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>North</td>
<td></td>
<td></td>
</tr>
<tr>
<td>North Public Health Center</td>
<td>10501 Meridian Ave N, Seattle</td>
<td>8:35 a.m.</td>
</tr>
<tr>
<td>State Laboratory</td>
<td>1610 NE 150th Street, Shoreline</td>
<td>9:20 a.m.</td>
</tr>
<tr>
<td>Central</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Downtown Public Health Center</td>
<td>2124 4th Ave, Seattle</td>
<td>7:45 a.m.</td>
</tr>
<tr>
<td>Public Health Laboratory, (Harborview Medical Center, Room BWC03)</td>
<td>325 9th Ave., Seattle</td>
<td>8:00 a.m.-5:00 p.m.</td>
</tr>
<tr>
<td>Southwest</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Way Public Health Center</td>
<td>33431 13th Pl S, Federal Way</td>
<td>11:30 a.m.</td>
</tr>
<tr>
<td>White Center Public Health Center</td>
<td>9934 8th Ave SW, Seattle</td>
<td>1:00 p.m.</td>
</tr>
<tr>
<td>Southeast</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auburn Public Health Center</td>
<td>901 Auburn Way N, Suite A, Auburn</td>
<td>12:50 p.m.</td>
</tr>
<tr>
<td>Columbia Health Center</td>
<td>4400 37th Ave S, Seattle</td>
<td>9:45 a.m.</td>
</tr>
<tr>
<td>Kaiser Permanente Laboratory</td>
<td>12400 E Marginal Way S, Tukwila</td>
<td>10:30 a.m.</td>
</tr>
<tr>
<td>Kent Public Health Center</td>
<td>25742 104th Ave SE, Kent</td>
<td>11:41 a.m.</td>
</tr>
<tr>
<td>Renton Public Health Center</td>
<td>3201 NE 7th St, Renton</td>
<td>11:07 a.m.</td>
</tr>
<tr>
<td>East</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eastgate Public Health Center</td>
<td>14350 SE Eastgate Way, Bellevue</td>
<td>10:16 a.m.</td>
</tr>
<tr>
<td>Northshore Public Health Center</td>
<td>10608 NE 145th St, Bothell</td>
<td>9:44 a.m.</td>
</tr>
</tbody>
</table>
## MICROBIOLOGY

| Test Description                                                                 | Fee  
|---------------------------------------------------------------------------------|-------
| Acid fast bacillus, smear                                                       | $30.00
| *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, Respiratory Virus                                                       | 85.00
| Culture, Stool                                                                  | 50.00
| Culture, Virus                                                                  | 85.00
| E. coli Shiga toxin                                                             | 36.00
| Group A streptococcus NAAT                                                       | 49.00
| Herpes simplex virus type 1 and type 2 NAAT                                     | 60.00
| Influenza A virus subtyping PCR                                                  | 100.00
| Influenza virus A and B NAAT                                                     | 60.00
| M. tuberculosis complex and M. avium complex PCR                                 | 18.00 (send-out charge)
| M. tuberculosis complex / rifampin resistance by PCR                             | 186.00
| Mycoplasma genitalium NAAT                                                       | 36.00
| *Neisseria gonorrhoeae* and *Chlamydia trachomatis* APTIMA                      | 32.00
| Ova and parasites examination                                                    | 50.00
| Pinworm examination                                                             | 25.00
| SARS-CoV-2 NAAT                                                                 | 65.00
| *Trichomonas vaginalis* APTIMA                                                   | 35.00
| Varicella zoster virus NAAT                                                      | 60.00

## SEROLOGY

| Test Description                           | Fee  
|--------------------------------------------|-------
| 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 E. coli (purchase kits at public health laboratory or public health centers) 25.00