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 only applies to services provided to 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 7 – 8 of this directory of services.

We are not authorized to bill individual patients. Statements will be sent each month to the health care providers who have submitted specimens. Health care providers can avoid billing by having their patient submit a check for payment of test at the time the specimen is submitted.

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 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 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, centrifuged, 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 6 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/health/lab.
MICROBIOLOGY

Acid fast bacillus, smear
Specimen: Early morning sputum, midstream urine, or other body fluid specimen in sterile screw-capped container
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 vaginal 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, smear results same day, culture results in 1 – 8 weeks

Culture, Gonorrhea
Specimen: Order kits from the laboratory, (206) 744-8950
Performed: M – F, results next day

Culture, *Haemophilus ducreyi*
Specimen: Order kits from the laboratory, (206) 744-8950
Performed: M – F, results in 2 – 9 days

Culture, Herpes simplex virus, shell vial
Specimen: Lesion swab in viral transport medium (use polyester swab on plastic or wire shaft)
Performed: M – F, results next day

Culture, Respiratory virus, shell vial
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, Yersinia enterocolitica, Vibrio parahaemolyticus)*
Specimen: Feces in Enteric Pathogen Transport vial
Performed: M – F, results in 3 – 5 days

Culture, Virus
*adenvirus, cytomegalovirus, enterovirus, herpes simplex, influenza, parainfluenza, respiratory syncytial, varicella zoster)*
Specimen: Swab specimen in viral transport medium (use polyester swab on plastic or wire shaft) or urine, stool, cerebrospinal fluid, etc. in sterile screw-capped container
Performed: M – F, results 1 – 14 days
**E. coli Shiga toxin**
Specimen: Feces in Enteric Pathogen Transport vial or overnight broth culture
Performed: M - F, results next day

**Group A streptococcus NAAT**
Specimen: Throat swab in CultureSwab (use polyester swab on plastic shaft)
Performed: M – F, results same day

**Herpes simplex virus type 1 and type 2 PCR**
Specimen: Lesion swab in viral transport medium (use polyester swab on plastic or wire shaft)
Performed: Th, results same day

**Influenza A virus subtyping PCR**
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, results same day

**Influenza virus antigen (influenza A, influenza B)**
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 same day

**M. tuberculosis complex and M. avium complex PCR**
Specimen: Early morning sputum, midstream urine, or other body fluid specimen in sterile screw-capped container
Performed: Sent to State Lab

**Neisseria gonorrhoeae and Chlamydia trachomatis APTIMA**
Specimen: Endocervical or male urethral swab in APTIMA unisex swab transport tube; rectal, throat, or vaginal swab in APTIMA vaginal 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

**Ova and parasites examination**
Specimen: Feces in EcoFix vial. Three specimens collected every other day is recommended.
Performed: M – F, results same day

**Pinworm examination**
Specimen: Order kits with adhesive paddle from the laboratory, (206) 744-8950
Performed: M – F, results same day

**Trichomonas vaginalis APTIMA**
Specimen: Endocervical or male urethral swab in APTIMA unisex swab transport tube; vaginal swab in APTIMA vaginal swab transport tube; or 2 mL of first 20-30 mL of voided urine in APTIMA urine transport tube
Performed: Sent to reference lab

**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 repeatably reactive.

Hepatitis B surface antibody (anti-HBs), EIA

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

Hepatitis B core antibody (anti-HBc), EIA

Hepatitis C antibody (anti-HCV), EIA.

HCV RNA

Herpes simplex type 1 antibody (type-specific), IgG, EIA

Herpes simplex type 2 antibody, (type-specific), IgG, EIA

HIV-1/HIV-2 antibody, EIA. HIV-1/HIV-2 Multispot confirmation assay is also performed when EIA is repeatably reactive.

HIV-1/HIV-2 antibody confirmation, Multispot

HIV-1 RNA, pooled

HIV-1 RNA, individual

HSV antibody, Western blot

Measles antibody, IgG, EIA

Mumps antibody, IgG, EIA

Quantiferon-TB

Rubella antibody, IgG, EIA

Syphilis, RPR, qualitative.
<table>
<thead>
<tr>
<th>Test</th>
<th>Specimen</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Syphilis, RPR, quantitative</td>
<td>1 mL serum (red top)</td>
<td>M – F, results same day</td>
</tr>
<tr>
<td>Syphilis, treponemal antibody,</td>
<td>1 mL serum (red top)</td>
<td>Sent to state lab</td>
</tr>
<tr>
<td>confirmation, EIA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Syphilis, treponemal antibody,</td>
<td>1 mL serum (red top)</td>
<td>T, F, results same day</td>
</tr>
<tr>
<td>TP-PA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Syphilis, treponemal antibody,</td>
<td>1 mL cerebrospinal fluid</td>
<td>W, results same day</td>
</tr>
<tr>
<td>FTA-ABS, CSF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Syphilis, VDRL, CSF, qualitative.</td>
<td>1 mL cerebrospinal fluid</td>
<td>M, Th, results same day</td>
</tr>
<tr>
<td>Quantitative assay is also performed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>when qualitative assay is reactive.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Varicella-zoster virus antibody, IgG,</td>
<td>1 mL serum (red top)</td>
<td>W, results same day</td>
</tr>
<tr>
<td>EIA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc protoporphyrin/heme ratio</td>
<td>1 mL whole blood (lavender top)</td>
<td>M – F, results same day</td>
</tr>
</tbody>
</table>

**ENVIRONMENTAL**

<table>
<thead>
<tr>
<th>Test</th>
<th>Specimen</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water, drinking, total coliforms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>and <em>E. coli</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drinking water specimens will be</td>
<td></td>
<td></td>
</tr>
<tr>
<td>accepted provided such specimens are in</td>
<td></td>
<td></td>
</tr>
<tr>
<td>containers purchased at the public health</td>
<td></td>
<td></td>
</tr>
<tr>
<td>laboratory or at public health centers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>and are received in the laboratory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>within 30 hours of collection.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water, <em>E. coli</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specimens collected from swimming pools,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>hot tubs, jacuzzis, spas, etc., will be</td>
<td></td>
<td></td>
</tr>
<tr>
<td>accepted provided such specimens are in</td>
<td></td>
<td></td>
</tr>
<tr>
<td>containers purchased at the public health</td>
<td></td>
<td></td>
</tr>
<tr>
<td>laboratory or at public health centers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>and are received in the laboratory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>within 30 hours of collection.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water, <em>Pseudomonas aeruginosa</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specimens collected from swimming pools,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>hot tubs, jacuzzis, spas, etc., will be</td>
<td></td>
<td></td>
</tr>
<tr>
<td>accepted provided such specimens are in</td>
<td></td>
<td></td>
</tr>
<tr>
<td>containers purchased at the public health</td>
<td></td>
<td></td>
</tr>
<tr>
<td>laboratory or at public health centers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>and are received in the laboratory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>within 30 hours of collection.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TEST METHOD ABBREVIATIONS**

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIA</td>
<td>Enzyme Immunoassay</td>
</tr>
<tr>
<td>FTA-ABS</td>
<td>Fluorescent Treponemal Antibody-Absorption</td>
</tr>
<tr>
<td>NAAT</td>
<td>Nucleic Acid Amplification Test</td>
</tr>
<tr>
<td>PCR</td>
<td>Polymerase Chain Reaction</td>
</tr>
<tr>
<td>RPR</td>
<td>Rapid Plasma Reagin card test</td>
</tr>
<tr>
<td>TP-PA</td>
<td><em>Treponema pallidum</em> particle agglutination</td>
</tr>
<tr>
<td>VDRL</td>
<td>Venereal Disease Research Laboratory slide test</td>
</tr>
</tbody>
</table>
## Specimen Pickup and Delivery Schedule

### January 1, 2015

<table>
<thead>
<tr>
<th>District</th>
<th>Address</th>
<th>Approximate Pickup Time</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>North</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>North Public Health Center</td>
<td>10501 Meridian Ave N, Seattle</td>
<td>9:20 a.m.</td>
</tr>
<tr>
<td><em>Northwest Hospital (2nd Floor, Lab)</em></td>
<td>1550 N 115th Street, Seattle</td>
<td>9:10 a.m.</td>
</tr>
<tr>
<td>State Laboratory</td>
<td>1610 NE 150th Street, Shoreline</td>
<td>9:45 a.m.</td>
</tr>
<tr>
<td><strong>Central</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Downtown Public Health Center</td>
<td>2124 4th Ave, Seattle</td>
<td>8:15 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><strong>Southwest</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Way Public Health Center</td>
<td>33431 13th Pl S, Federal Way</td>
<td>10:40 a.m.</td>
</tr>
<tr>
<td>White Center Public Health Center</td>
<td>9942 8th Ave SW, Seattle</td>
<td>9:45 a.m.</td>
</tr>
<tr>
<td><strong>Southeast</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auburn Public Health Center</td>
<td>901 Auburn Way N, Suite A, Auburn</td>
<td>11:10 a.m.</td>
</tr>
<tr>
<td>Columbia Health Center</td>
<td>4400 37th Ave S, Seattle</td>
<td>2:15 p.m.</td>
</tr>
<tr>
<td>Group Health Laboratory</td>
<td>12400 E Marginal Way S, Tukwila</td>
<td>11:45 a.m.</td>
</tr>
<tr>
<td>Kent Public Health Center</td>
<td>25742 104th Ave SE, Kent</td>
<td>12:30 p.m.</td>
</tr>
<tr>
<td>Renton Public Health Center</td>
<td>3201 NE 7th St, Renton</td>
<td>11:10 a.m.</td>
</tr>
<tr>
<td><strong>East</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eastgate Public Health Center</td>
<td>14350 SE Eastgate Way, Bellevue</td>
<td>10:40 a.m.</td>
</tr>
<tr>
<td>Northshore Public Health Center</td>
<td>10808 NE 145th St, Bothell</td>
<td>10:10 a.m.</td>
</tr>
</tbody>
</table>

*Accessible 24 hours per day*
### MICROBIOLOGY

<table>
<thead>
<tr>
<th>Test Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acid fast bacillus, smear</td>
<td>$25.00</td>
</tr>
<tr>
<td><em>Bordetella pertussis</em> NAAT</td>
<td>61.00</td>
</tr>
<tr>
<td><em>Chlamydia trachomatis</em> and <em>Neisseria gonorrhoeae</em> APTIMA</td>
<td>30.00</td>
</tr>
<tr>
<td><em>Cryptosporidium</em>, Cyclospora, and Isospora by modified acid-fast stain</td>
<td>25.00</td>
</tr>
<tr>
<td>Culture, Acid fast bacillus</td>
<td>85.00</td>
</tr>
<tr>
<td>Culture, Gonorrhea</td>
<td>37.00</td>
</tr>
<tr>
<td>Culture, <em>Haemophilus ducreyi</em></td>
<td>37.00</td>
</tr>
<tr>
<td>Culture, Herpes simplex virus</td>
<td>55.00</td>
</tr>
<tr>
<td>Culture, Respiratory Virus</td>
<td>70.00</td>
</tr>
<tr>
<td>Culture, Stool</td>
<td>50.00</td>
</tr>
<tr>
<td>Culture, Virus</td>
<td>85.00</td>
</tr>
<tr>
<td>E. coli Shiga toxin</td>
<td>36.00</td>
</tr>
<tr>
<td>Group A streptococcus NAAT</td>
<td>49.00</td>
</tr>
<tr>
<td>Herpes simplex virus type 1 and type 2 PCR</td>
<td>84.00</td>
</tr>
<tr>
<td>Influenza A virus subtyping PCR</td>
<td>100.00</td>
</tr>
<tr>
<td>Influenza virus antigen</td>
<td>42.00</td>
</tr>
<tr>
<td>M. tuberculosis complex and M. avium complex PCR</td>
<td>18.00 (send-out charge)</td>
</tr>
<tr>
<td><em>Neisseria gonorrhoeae</em> and <em>Chlamydia trachomatis</em> APTIMA</td>
<td>30.00</td>
</tr>
<tr>
<td>Ova and parasites examination</td>
<td>50.00</td>
</tr>
<tr>
<td>Pinworm examination</td>
<td>25.00</td>
</tr>
<tr>
<td><em>Trichomonas vaginalis</em> APTIMA</td>
<td>53.00</td>
</tr>
</tbody>
</table>

### SEROLOGY

<table>
<thead>
<tr>
<th>Test Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hepatitis A antibody, IgM</td>
<td>43.00</td>
</tr>
<tr>
<td>Hepatitis A antibody</td>
<td>27.00</td>
</tr>
<tr>
<td>Hepatitis B surface antigen, EIA</td>
<td>27.00</td>
</tr>
<tr>
<td>Hepatitis B surface antigen confirmatory assay</td>
<td>47.00</td>
</tr>
<tr>
<td>Hepatitis B surface antibody</td>
<td>27.00</td>
</tr>
<tr>
<td>Hepatitis B core antibody, IgM</td>
<td>43.00</td>
</tr>
<tr>
<td>Hepatitis B core antibody</td>
<td>27.00</td>
</tr>
<tr>
<td>Hepatitis C antibody, EIA</td>
<td>33.00</td>
</tr>
<tr>
<td>HCV RNA</td>
<td>135.00</td>
</tr>
<tr>
<td>Herpes simplex type 1 antibody, IgG</td>
<td>32.00</td>
</tr>
<tr>
<td>Herpes simplex type 2 antibody, IgG</td>
<td>32.00</td>
</tr>
<tr>
<td>HIV-1/HIV-2 antibody, EIA</td>
<td>22.00</td>
</tr>
<tr>
<td>HIV-1/HIV-2 antibody, confirmation, Multispot</td>
<td>18.00 (send-out charge)</td>
</tr>
<tr>
<td>HIV-1 RNA, qualitative</td>
<td>21.00</td>
</tr>
<tr>
<td>HIV-1 RNA, quantitative</td>
<td>89.00</td>
</tr>
<tr>
<td>HSV antibody, Western blot</td>
<td>225.00</td>
</tr>
<tr>
<td>Measles antibody, IgG</td>
<td>28.00</td>
</tr>
<tr>
<td>Mumps antibody, IgG</td>
<td>28.00</td>
</tr>
<tr>
<td>Quantiferon-TB</td>
<td>50.00</td>
</tr>
<tr>
<td>Rubella antibody, IgG</td>
<td>28.00</td>
</tr>
<tr>
<td>Syphilis, RPR, qualitative</td>
<td>20.00</td>
</tr>
<tr>
<td>Syphilis, RPR, quantitative</td>
<td>27.00</td>
</tr>
<tr>
<td>Syphilis, treponemal antibody, confirmation, EIA</td>
<td>18.00 (send-out charge)</td>
</tr>
</tbody>
</table>
### FEES

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Syphilis, treponemal antibody, TP-PA</td>
<td>27.00</td>
</tr>
<tr>
<td>Syphilis, treponemal antibody, FTA-ABS, CSF</td>
<td>65.00</td>
</tr>
<tr>
<td>Syphilis, VDRL, CSF qualitative</td>
<td>22.00</td>
</tr>
<tr>
<td>Syphilis, VDRL, CSF quantitative</td>
<td>26.00</td>
</tr>
<tr>
<td>Varicella-zoster virus antibody, IgG</td>
<td>28.00</td>
</tr>
<tr>
<td>Zinc protoporphyrin/heme ratio</td>
<td>22.00</td>
</tr>
</tbody>
</table>

### ENVIRONMENTAL

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water, drinking, for total coliforms and <em>E. coli</em> (purchase kits at public health laboratory or public health centers)</td>
<td>25.00</td>
</tr>
<tr>
<td>Water from swimming pools, hot tubs, jacuzzis, etc., for <em>E. coli</em> (purchase kits at public health laboratory or public health centers)</td>
<td>25.00</td>
</tr>
<tr>
<td>Water from swimming pools, hot tubs, jacuzzis, etc., for <em>P. aeruginosa</em> (purchase kits at public health laboratory or public health centers)</td>
<td>25.00</td>
</tr>
</tbody>
</table>