

## PUBLIC HEALTH – SEATTLE & KING COUNTY LABORATORY

### DIRECTORY OF SERVICES

January 1, 2008

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 some procedures; other procedures are provided at no charge to health care providers located in King County.

There is no fee for specimens submitted in compliance with WAC regulations (see below).

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.

We will bill DSHS if a Medicaid coupon or a Medicaid Patient Identification Code (PIC) number, health care provider's name, and diagnosis code accompanies the patient's specimen. We will also bill private insurance, other than Regence Blue Shield, if the required billing information accompanies the patient's specimen. We are not authorized to bill Medicare and Regence Blue Shield; hence specimens submitted for patients with Medicare and Regence Blue Shield will be billed to the health care providers.

#### CONFIRMATORY TESTING

The public health laboratory accepts the following from laboratories in King County for confirmation and further testing: serum specimens found to be reactive in a screening test for syphilis or positive for measles IgM antibody; specimens on suspect cases of botulism or rabies; specimens found to be positive for cyclospora; and cultures or other appropriate clinical material found to be positive or suspicious for brucella, cholera, diphtheria, disease of suspected bioterrorism origin, Shiga toxin producing *Escherichia coli* such as *E. coli* O157:H7, meningococcal disease, plague, salmonella, shigella, or tularemia. Tuberculosis cultures are sent directly to the State Public Health Laboratory for confirmation. Such specimens must be submitted by laboratories in King County in order to comply with Washington State Board of Health regulations (WAC 246-101-201).

The public health laboratory strongly encourages all laboratories located in King County to submit their *Neisseria gonorrhoeae* isolates for confirmation. Submission of *N. gonorrhoeae* subcultures will satisfy the laboratory reporting requirement for gonorrhea (WAC 246-101-201).

## 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 in the Basement of the West Clinic at Harborview Medical Center (325 9th Avenue, Room BWC03, Box 359973, Seattle, WA 98104-2499) or to a health department specimen pickup station.

Refrigerate all specimens except gonorrhea cultures, trichomonas cultures, meningococcus cultures, and chancroid cultures 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<sup>0</sup>C incubator with 3-10% CO<sub>2</sub> and increased humidity overnight before they are delivered to the public health laboratory or to a health department specimen pickup station. Trichomonas cultures are to be kept at room temperature and delivered to the public health laboratory the same day or kept in a 37<sup>0</sup>C incubator overnight before they are delivered to the public health laboratory or to a health department specimen pickup station. Most supplies and containers are available at the public health laboratory and at health department specimen pickup stations.

The addresses of the health department specimen pickup stations and approximate specimen pickup times are listed on page 8 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.metrokc.gov/health/lab](http://www.metrokc.gov/health/lab).

## MICROBIOLOGY

Acid fast bacillus, smear only	Specimen: Early morning sputum, midstream urine, or other body fluid specimen in sterile screw-capped container Performed: M – F, results same day
<i>Bordetella pertussis</i> and <i>Bordetella parapertussis</i> PCR	Specimen: Nasopharyngeal swab in sterile screw-capped container (use polyester swab on wire shaft) Performed: W, results same day
Botulism	Specimen: Phone Epidemiology Section, (206) 296-4774
Brucella, confirmation	Specimen: Culture on isolation medium Performed: Sent to State Lab
<i>Chlamydia trachomatis</i> and <i>Neisseria gonorrhoeae</i> APTIMA	Specimen: Endocervical, male urethral, rectal, or throat 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: M - F, results in 1 – 2 days
Cholera, confirmation	Specimen: Culture on isolation medium Performed: Sent to State Lab
Cryptosporidium spp., <i>Cyclospora cayetanensis</i> , and <i>Isospora belli</i> by modified acid-fast stain	Specimen: Feces in 10% Formalin vial Performed: M – F, results next day

Culture, Acid fast bacillus with smear. 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, Group A streptococcus	Specimen: Throat swab in CultureSwab Performed: M – F, results next day
Culture, Group B streptococcus	Specimen: Vaginal and rectal swab in CultureSwab. Screening all pregnant women between 35 and 37 weeks' gestation is recommended. 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, 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, Pertussis	Specimen: Nasopharyngeal swab in Regan-Lowe transport medium (use polyester swab on wire shaft) Performed: M – F, results in 4 – 12 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 <i>E. coli</i> such as <i>E. coli</i> O157:H7, <i>Yersinia enterocolitica</i> , <i>Vibrio parahaemolyticus</i> )	Specimen: Feces in Enteric Pathogen Transport vial Performed: M – F, results in 3 – 5 days
Culture, <i>Trichomonas vaginalis</i>	Specimen: Order kits from the laboratory, (206) 744-8950 Performed: M – F, results in 1 – 3 days.
Culture, Virus (adenovirus, 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
Cyclospora, confirmation	Specimen: Feces in 10% Formalin vial Performed: M – F, results next day
Diphtheria, confirmation	Specimen: Culture on isolation medium Performed: Sent to State Lab

Disease of suspected bioterrorism origin	Specimen: Phone Epidemiology Section, (206) 296-4774
<i>E. coli</i> Shiga toxin	Specimen: Feces in Enteric Pathogen Transport vial or overnight broth culture Performed: M, results same day
Shiga toxin producing <i>Escherichia coli</i> (includes <i>E. coli</i> O157:H7), confirmation	Specimen: Culture on isolation medium or Shiga toxin-positive broth Performed: M – F, results in 1 – 3 days
Food bacteriology	Specimen: Phone Epidemiology Section, (206) 296-4774
Gonorrhea, confirmation	Specimen: Culture on isolation medium Performed: M – F, results next 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 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
Meningococcal disease, confirmation	Specimen: Culture on isolation medium Performed: M – F, results in 1 – 3 days
<i>Neisseria gonorrhoeae</i> and <i>Chlamydia trachomatis</i> APTIMA	Specimen: Endocervical, male urethral, rectal, or throat 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: M – F, results in 1 – 2 days
Ova and parasites examination	Specimen: Feces in 10% Formalin 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
Plague, confirmation	Specimen: Culture on isolation medium Performed: Sent to State Lab
Rabies	Specimen: Phone Epidemiology Section, (206) 296-4774
Salmonella, confirmation	Specimen: Culture on isolation medium Performed: M – F, results in 1 – 3 days
Shigella, confirmation	Specimen: Culture on isolation medium Performed: M – F, results in 1 – 3 days

Tuberculosis, confirmation	Specimen: Culture on isolation medium Performed: Sent to State Lab
Tularemia, confirmation	Specimen: Culture on isolation medium Performed: Sent to State Lab

## SEROLOGY

Hepatitis A antibody, IgM (IgM anti-HAV), EIA	Specimen: 1 mL serum (red top) Performed: T, F, results same day
Hepatitis A antibody (anti-HAV), EIA	Specimen: 1 mL serum (red top) Performed: T, F, results same day
Hepatitis B surface antigen (HBsAg), EIA. Includes confirmation assay when EIA is repeatably reactive.	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: T, F, results same day
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. Includes RIBA confirmation assay when EIA is weakly reactive.	Specimen: 1 mL serum (red top) Performed: T, F, 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	Specimen: 1 mL serum (red top) Performed: M, Th, results same day
HIV-1 antibody, EIA. Includes WB confirmation assay when EIA is repeatably reactive.	Specimen: 1 mL serum (red top) Performed: M – F, results next day
HIV-1 antibody, confirmation, WB. Includes EIA.	Specimen: 1 mL serum (red top) Performed: T, F, results same day
Measles antibody, IgM, confirmation	Specimen: 1 mL serum (red top) Performed: Sent to State Lab
Measles antibody, IgG, EIA	Specimen: 1 mL serum (red top) Performed: W, results same day
Mumps antibody, IgG, EIA	Specimen: 1 mL serum (red top) Performed: W, results same day

Rubella antibody, IgG, EIA	Specimen: 1 mL serum (red top) Performed: W, results same day
Syphilis, RPR, qualitative. If positive, includes RPR, quantitative, and TP-PA.	Specimen: 1 mL serum (red top) Performed: M – F, results same day
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: Th, results same day
Syphilis, confirmation, RPR, quantitative. If positive, includes TP-PA.	Specimen: 1 mL serum (red top) Performed: M – F, results same day
Syphilis, VDRL, CSF	Specimen: 1 mL cerebrospinal fluid Performed: M, Th, results same day
Varicella-zoster virus antibody, IgG, EIA	Specimen: 1 mL serum (red top) Performed: W, results same day
West Nile antibody, IgM, EIA	Specimen: 1 mL serum (red top) Performed: Th, results same day

## ENVIRONMENTAL

Water, drinking, total coliforms and <i>E. coli</i>	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.
Water, <i>E. coli</i>	Specimens collected from swimming pools, hot tubs, jacuzzis, spas, etc., 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.
Water, <i>Pseudomonas aeruginosa</i>	Specimens collected from swimming pools, hot tubs, jacuzzis, spas, etc., 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
PCR	=	Polymerase Chain Reaction
RIBA	=	Recombinant Immunoblot Assay
RPR	=	Rapid Plasma Reagin card test
TP-PA	=	<i>Treponema pallidum</i> particle agglutination
VDRL	=	Venereal Disease Research Laboratory slide test
WB	=	Western Blot

PUBLIC HEALTH – SEATTLE & KING COUNTY LABORATORY

SPECIMEN PICKUP AND DELIVERY SCHEDULE

January 1, 2008

<u>DISTRICT</u>	<u>ADDRESS</u>	<u>APPROXIMATE PICKUP TIME</u>
<u>North</u>		
North Public Health Center	10501 Meridian Ave N, Seattle	9:00 a.m.
*Northwest Hospital (2 <sup>nd</sup> Floor, Lab)	1550 N 115 <sup>th</sup> Street, Seattle	8:45 a.m.
State Laboratory	1610 NE 150 <sup>th</sup> Street, Shoreline	9:45 a.m.
<u>Central</u>		
Downtown Public Health Center	2124 4 <sup>th</sup> Ave, Seattle	8:25 a.m.
Public Health Laboratory, (Harborview Medical Center, Room BWC03)	325 9 <sup>th</sup> Ave., Seattle	8:00 a.m.- 5:00 p.m.
<u>Southwest</u>		
Federal Way Public Health Center	33431 13 <sup>th</sup> PI S, Federal Way	11:20 a.m.
*Highline Community Hospital (5 <sup>th</sup> Floor Lab, next to Emergency)	16251 Sylvester Road SW, Burien	10:00 a.m.
White Center Public Health Center	10821 8 <sup>th</sup> Ave SW, Seattle	9:45 a.m.
<u>Southeast</u>		
*Auburn Regional Medical Center (2 <sup>nd</sup> Floor, Lab)	Plaza One 202 N Division St, Auburn	11:45 a.m.
Auburn Public Health Center	20 Auburn Ave, Auburn	12:00 p.m.
Columbia Health Center	4400 37 <sup>th</sup> Ave S, Seattle	2:00 p.m.
Group Health Laboratory	12400 E Marginal Way S, Tukwila	2:00 p.m.
Kent Public Health Center	613 West Gowe Street, Kent	1:10 p.m.
Kent Public Health – Alder Square	1404 S Central Ave, Suite 101, Kent	1:00 p.m.
Renton Public Health Center	3001 NE 4 <sup>th</sup> Street, Renton	12:15 p.m.
*Valley Medical Center (2 <sup>nd</sup> Floor, Lab)	400 S 43 <sup>rd</sup> Street, Renton	12:50 p.m.
<u>East</u>		
Eastgate Public Health Center	14350 SE Eastgate Way, Bellevue	11:00 a.m.
*Evergreen Hospital Medical Center (1 <sup>st</sup> Floor, Lab)	12040 NE 128 <sup>th</sup> St, Kirkland	10:20 a.m.
Northshore Public Health Center	10808 NE 145 <sup>th</sup> St, Bothell	10:00 a.m.
*Overlake Hosp. Medical Center (1 <sup>st</sup> Floor, Lab)	1035 116 <sup>th</sup> Ave NE, Bellevue	10:50 a.m.

\*Accessible 24 hours per day



PUBLIC HEALTH – SEATTLE & KING COUNTY LABORATORY

FEES

January 1, 2008

MICROBIOLOGY	<u>FEES</u>
Acid fast bacillus, smear only	\$15.00
<i>Bordetella pertussis</i> and <i>Bordetella parapertussis</i> PCR	60.00
Botulism [obtain prior approval from Epidemiology Section, (206) 296-4774]	No charge
Brucella, confirmation	No charge
<i>Chlamydia trachomatis</i> and <i>Neisseria gonorrhoeae</i> APTIMA	23.00
Cholera, confirmation	No charge
Cryptosporidium, Cyclospora, and Isospora by modified acid-fast stain	15.00
Culture, Acid fast bacillus with smear	45.00
Culture, Gonorrhea	8.00
Culture, Group A streptococcus	8.00
Culture, Group B streptococcus	8.00
Culture, <i>Haemophilus ducreyi</i>	8.00
Culture, Herpes simplex virus	30.00
Culture, Pertussis (no charge if done in conjunction with pertussis PCR)	20.00
Culture, Respiratory Virus	40.00
Culture, Stool	33.00
Culture, Trichomonas	20.00
Culture, Virus	30.00
Cyclospora, confirmation	No charge
Diphtheria, confirmation	No charge
Disease of suspected bioterrorism origin [obtain prior approval from Epidemiology Section, (206) 296-4774]	No charge
E. coli Shiga toxin	15.00
Shiga toxin producing <i>Escherichia coli</i> , confirmation	No charge
Food bacteriology [obtain prior approval from Epidemiology Section, (206) 296-4774]	No charge
Gonorrhea, confirmation	No charge
Herpes simplex virus type 1 and type 2 PCR	60.00
Influenza virus antigen	30.00
Meningococcal disease, confirmation	No charge
<i>Neisseria gonorrhoeae</i> and <i>Chlamydia trachomatis</i> APTIMA	23.00
Ova and parasites examination	25.00
Pinworm examination	8.00
Plague, confirmation	No charge
Rabies [obtain prior approval from Epidemiology Section, (206) 296-4774]	No charge
Salmonella, confirmation	No charge
Shigella, confirmation	No charge
Tuberculosis, confirmation	No charge
Tularemia, confirmation	No charge

SEROLOGY

FEES

Hepatitis A antibody, IgM	25.00
Hepatitis A antibody	14.00
Hepatitis B surface antigen, EIA (includes confirmation assay when EIA is repeatably reactive)	12.00
Hepatitis B surface antibody	12.00
Hepatitis B core antibody, IgM	25.00
Hepatitis B core antibody	14.00
Hepatitis C antibody, EIA (includes RIBA when EIA is weakly reactive)	16.00
Herpes simplex type 1 antibody, IgG	15.00
Herpes simplex type 2 antibody, IgG	15.00
HIV-1 antibody, EIA (includes WB when EIA is repeatably reactive)	10.00
HIV-1 antibody, confirmation, WB (includes EIA)	60.00
Measles antibody, IgM, confirmation	No charge
Measles antibody, IgG	15.00
Mumps antibody, IgG	15.00
Rubella antibody, IgG	15.00
Syphilis, RPR (if positive, includes TP-PA)	8.00
Syphilis, treponemal antibody, TP-PA	15.00
Syphilis, treponemal antibody, FTA-ABS, CSF	20.00
Syphilis, confirmation, RPR (if positive, includes TP-PA)	No charge
Syphilis, VDRL, CSF	8.00
Varicella-zoster virus antibody, IgG	15.00
West Nile antibody, IgM	15.00

ENVIRONMENTAL

Water, drinking, for total coliforms and <i>E. coli</i> (purchase kits at public health laboratory or public health centers)	15.00
Water from swimming pools, hot tubs, jacuzzis, etc., for <i>E. coli</i> (purchase kits at public health laboratory or public health centers)	15.00
Water from swimming pools, hot tubs, jacuzzis, etc., for <i>P. aeruginosa</i> (purchase kits at public health laboratory or public health centers)	15.00