

## General Policies

- It is strongly recommended that a veterinarian be involved in any submission as WADDL does not provide treatment recommendations.
- Non-Washington samples will be assessed a 50% surcharge except where indicated.**
- Client information provided to WADDL and the test results from samples submitted to WADDL will be treated as confidential information consistent with the applicable legal standards. Such confidential information will not be released to third parties without consent of the client/veterinarian of the record except when required by law.
- WADDL reserves the right to send specimens to outside referral laboratories to perform testing not done by WADDL. Samples sent for analysis to outside labs are billed for any additional direct costs incurred. Handling fee (including postage) is \$20.00.
- “STAT” fees apply to testing requested outside of the routine testing schedule. Please contact WADDL in advance to arrange schedule and fees.
- A fax, mail or online access is currently provided at no charge.
- Fees are subject to change without notice.
- Specimens submitted for examination may undergo additional diagnostic testing for state or federal disease surveillance programs, particularly involving foreign animal diseases. Such testing may require mandatory notification of state and/or federal regulatory authorities.
- Samples submitted to WADDL may be used for test development or other research related projects.

## Administration

Send outs .....	\$20.00 + outside lab charge
UPS Ground (available only for online submissions).....	\$7.00
UPS Next Day Air (available only for online submissions).....	\$15.00
UPS delivery charge (over 3 lbs.).....	Actual rate

## Aquatic Health

### AFS-USFWS Blue Book/OIE Health Inspection Testing

Culture Identification of specific bacteria (per fish).....	\$4.50
Aerobic culture, contaminated plate surcharge (per tissue) .....	\$6.00
<i>Renibacterium salmoninarum</i> (BKD)	
Culture (per fish) .....	\$30.00
BKD FAT (per test) .....	\$5.50
BKD ELISA (per test).....	\$10.00
<i>Piscirickettsia salmonis</i> direct tissue touch exam	
Culture .....	\$25.00
Touch Exam.....	\$6.50
<i>M. cerebralis</i> digest, small to medium sized fish (per test).....	\$20.00
<i>M. cerebralis</i> digest, large fish (per test).....	\$30.00
<i>Ceratomyxa shasta</i> by intestinal smear (per test) .....	\$5.50
Amoebic Gill Disease.....	\$10.00
<i>Bothriocephalus acheilognathi</i> (Asian tapeworm) (per test) .....	\$6.00

Viral Culture (per test per cell line).....	\$18.00
Viral pathogens routinely tested for include: epizootic hematopoietic necrosis virus, infectious hematopoietic necrosis virus, infectious pancreatic necrosis virus, oncorhynchus masou virus, viral hemorrhagic septicemia virus, Infectious salmon anemia virus, spring viremia of carp, largemouth bass virus, salmonid alphavirus	
VHSV testing only (EPC cells only).....	\$25.00
Cell lines in active culture include: Epithelioma Papulosum Cyprini (EPC), Chinook Salmon Embryo (CHSE-214), Salmon Head Kidney (SHK-1), Fat Head Minnow (FHM), Bluegill Fry (BF-2)	
Contact lab for additional pathogens or cell lines.	
<i>Aquatic Health Diagnostic Testing</i>	
<b>Bacteriology</b>	
Aerobic culture (per tissue) .....	\$30.00
Antimicrobial susceptibility .....	\$40.00
Fungal culture (genus)* .....	\$30.00
<i>Mycobacterium</i> (genus)* .....	\$35.00
<b>Virology</b>	
Viral isolation in cell culture (up to 4 cell lines) CHSE-214, EPC, SHK, FHM, BF-2.....	\$90.00
Each additional cell line .....	\$20.00
<b>Parasitology</b>	
External parasite screen on fresh tissues (per fish) .....	\$6.00
<b>Pathology</b>	
Necropsy (includes gill wet prep/mucus-skin scrape)	
Fish 1–3.....	\$58.00
Each additional fish .....	\$20.00
Histopathology—tissues from up to 3 fish .....	\$58.00
Each additional fish .....	\$20.00
External parasite screen by histopathology (per slide)....	\$10.00
<i>Myxobolus cerebralis</i> histopathology (per slide) .....	\$10.00
<b>Sample collection at WADDL</b>	
Mini sampling (per fish).....	\$4.00
Standard sampling (per fish).....	\$6.00
Sampling kit (plus freight).....	\$35.00
<b>Molecular Diagnostics</b>	
Organism identification by PCR	
<i>Flavobacterium psychrophilum</i> .....	\$50.00
Infectious pancreaticnecrosis virus.....	\$52.00
Infectious salmon anemia virus .....	\$50.00
Salmon alphavirus.....	\$50.00
(call lab for discount if testing both ISAV and SAV)	
Infectious hematopoietic necrosis virus (IHNV) .....	\$50.00
Koi herpesvirus .....	\$52.00
<i>Myxobolus cerebralis</i> .....	\$52.00
<i>Renibacterium salmoninarum</i> (BKD) .....	\$45.00
<i>Renibacterium salmoninarum</i> (BKD) Nested.....	\$91.00

Spring viremia of carp virus (SVCV) .....	\$51.00
<i>Mycobacterium</i> speciation by sequencing.....	\$146.00
<i>Yersinia ruckeri</i> .....	\$50.00
<i>Viral hemorrhagic septicemia virus</i> .....	\$55.00
Direct PCR/sequencing.....	\$146.00

## Bacteriology

Aerobic culture .....	\$30.00
Anaerobic culture .....	\$35.00
Antimicrobial susceptibility (aerobic/anaerobic) .....	\$40.00
Blood culture (aerobic) .....	\$35.00
Blood culture (anaerobic) .....	\$35.00
<i>Campylobacter spp.</i> culture.....	\$30.00
<i>Clostridium difficile</i> culture .....	\$30.00
<i>Clostridium difficile</i> toxin assay by neutralization .....	\$35.00
<i>Clostridium</i> spp. Fluorescent antibody stain .....	\$30.00
<i>Clostridium perfringens</i> culture .....	\$30.00
Environmental cultures - Nonquantitative.....	\$45.00
Environmental cultures - Quantitative.....	\$55.00
<i>E. coli</i> virulence genotyping (PCR) .....	(See Molecular Dx)
Fecal aerobic culture, any species.....	\$30.00
<i>Leptospira</i> pp. Fluorescent antibody.....	\$51.00
<i>Listeria spp.</i> culture.....	\$30.00
Milk mastitis .....	\$12.00
Milk bulk tank.....	\$35.00
<i>Mycobacterium spp.</i> culture (non-Johnes) .....	\$40.00
Mycology (fungal) culture .....	\$35.00
<i>Mycoplasma spp.</i> culture .....	\$30.00
Stain slides (Grams, acid-fast, victoria blue, special stains).....	\$10.00
<i>Tritrichomonas foetus</i> culture - large animal .....	(See Molecular Dx)
<i>Tritrichomonas foetus</i> culture - small animal .....	\$30.00
<i>Ureaplasma spp.</i> culture .....	\$40.00

## Immunodiagnostics

### Antibody Detection

Anaplasmosis (ELISA) .....	\$6.00
Bluetongue (ELISA) .....	\$6.00
Bovine Leukosis Virus (ELISA) .....	\$6.00
Bovine Respiratory Syncytial Virus (VN).....	\$7.50
Bovine Virus Diarrhea (VN) .....	\$7.50
<i>Brucella abortus</i> (BAPA)*** .....	\$6.00
<i>Brucella abortus</i> –Rose Bengal Test *** .....	\$6.00
<i>Brucella canis</i> (RSAT)*** .....	\$20.00
<i>Brucella ovis</i> (ELISA) .....	\$6.00
Canine Adenovirus (VN) .....	\$13.00
Canine Coronavirus (IFA) .....	\$22.00

Canine Distemper Virus (VN) .....	\$13.00
Canine Distemper Virus (IFA-IgG).....	\$22.00
Canine Distemper Virus (IFA-IgM).....	\$22.00
Canine Herpesvirus (VN).....	\$13.00
Canine Parainfluenza Virus (VN).....	\$13.00
Canine Parvovirus (IFA-IgG) .....	\$22.00
Canine Parvovirus (IFA-IgM).....	\$22.00
Caprine Arthritis Encephalitis Virus (ELISA)* .....	\$6.00
Caseous Lymphadenitis (SHI)*.....	\$9.00
Caseous Lymphadenitis Equine (Pigeon Fever).....	\$12.00
Epizootic Hemorrhagic Disease (AGID) .....	\$12.00
Equine Herpesvirus Type 1 & 4 (VN).....	\$13.00
Equine Herpesvirus Type 3 (VN).....	\$13.00
Equine Infectious Anemia (EIA) (AGID)*** .....	\$10.00
Equine Infectious Anemia (EIA) (ELISA)*** .....	\$9.00
Equine Viral Arteritis (VN) .....	\$13.00
Feline Calicivirus (VN) .....	\$13.00
Feline Coronavirus/FIP (IFA) .....	\$22.00
Feline Herpesvirus (VN).....	\$13.00
Feline Immunodeficiency (ELISA) .....	\$13.00
Feline Panleukopenia (IFA) .....	\$22.00
Infectious Bovine Rhinotracheitis (VN) .....	\$8.00
Johne’s Disease (ELISA)*.....	\$6.00
Lentivirus, small ruminant (ELISA) .....	\$6.00
Leptospirosis (MAT, Canine).....	\$30.00
Leptospirosis (MAT).....	\$26.00
<i>Mycoplasma ovipneumoniae</i> (cELISA) .....	\$11.00
<i>Neospora caninum</i> (ELISA).....	\$5.50
<i>Neospora caninum</i> (IFA) Dog .....	\$20.00
Parainfluenza 3 VN .....	\$8.00
Ovine Progressive Pneumonia Virus .....	\$6.00
Pregnancy Testing (ELISA) .....	\$6.00
Pseudorabies Virus (ELISA) .....	\$6.00
Q-fever ( <i>Coxiella burnetii</i> ) (ELISA) .....	\$10.00

Small Ruminant Biosecurity Screen (CAE, CL, Johnes)*.....	\$20.00
Toxoplasmosis (IFA) .....	\$22.00
Vesicular Stomatitis Virus (Ind/NJ-VN) for cattle .....	\$15.00
West Nile Virus-Equine (ELISA) .....	\$18.00

### Antigen (Agent) Detection

Bovine Spongiform Encephalopathy (BSE)**.....	\$21.50
Bovine Virus Diarrhea Virus-Persistent Infection (PI).....	\$7.00
Canine Distemper Virus Ag (Direct FA) .....	\$24.50
<i>Chlamydophila spp.</i> Ag. (ELISA) .....	\$24.50
Chronic Wasting Disease (CWD) Ag (ELISA).....	\$30.00
Feline Leukemia Virus (FeLV) Ag. (ELISA).....	\$23.50

## Immunohistochemistry

### Infectious Agents—Viruses

Avian Influenza .....	\$45.00
Bovine Herpesvirus-1 (IBR) .....	\$45.00
Bovine Respiratory Syncytial Virus .....	\$45.00
Bovine Virus Diarrhea Virus .....	\$45.00
Bovine Virus Diarrhea Virus Ear Notch.....	\$10.00
Canine Coronavirus .....	\$45.00
Canine Distemper Virus .....	\$45.00
Canine Parvovirus .....	\$45.00
Equine Herpesvirus-1 .....	\$45.00
Feline Coronavirus (FIP) .....	\$45.00
Feline Parvovirus (Panleukopenia) .....	\$45.00
Prion (Chronic wasting disease) **.....	\$45.00
Prion (Scrapie) **.....	\$30.00

\*\*USDA-APHIS Program testing only

### Infectious Agents—Bacteria and Protozoa

<i>Coxiella burnetii</i> .....	\$45.00
<i>Leptospira spp.</i> .....	\$45.00
<i>Listeria monocytogenes</i> .....	\$45.00

### Tumor Cell Markers

B-lymphocyte (CD20).....	\$45.00
Chromatogranin A.....	\$45.00
Cytokeratin.....	\$45.00
Desmin .....	\$45.00
Factor VIII .....	\$45.00
Glial fibrillary acidic protein (GFAP).....	\$45.00
Integrin beta 2 (CD18).....	\$45.00
Lamda light chain .....	\$45.00
Melan A.....	\$45.00
MUM-1/IRF-4 .....	\$45.00
Muscle Actin.....	\$45.00
Neurofilament .....	\$45.00
PNL2 (Melanoma Marker).....	\$45.00
Synaptophysin .....	\$45.00
T-Lymphocyte (CD3) .....	\$45.00
Vimentin.....	\$45.00

<b>Stat Charge of \$25.00 on selected tests. Other tests may be available on a stat basis. Contact lab before sending sample.</b>	
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\*Volume discount available

\*\*USDA-APHIS Program testing only

\*\*\* Stat Charge of \$25.00 on selected tests. Other tests may be available on

# Molecular Diagnostics

## PCR for Mammalian Pathogens

Anaplasma marginale .....	\$51.00
Bluetongue/EHD viruses .....	\$55.00
BVD (Pooled blood, up to 12 per pool).....	\$59.00
BVD from milk, tissue, or single blood .....	\$51.00

### BVD-PI (Persistent Infection) Ear Notch Testing Program

Number of Cattle Tested	PCR Pool Size	PCR Charge per Head	Ag-ELISA charge per Head
<12 samples	No Pooling	NA	\$7.00
12-35 samples	12	\$4.50	\$3.50 *
36-99 samples	up to 36	\$3.50	\$3.50 *
100 or more samples	up to 36	\$2.50	\$3.50 *

\* BVD Ag-ELISA testing on individual samples within a PCR positive pool

Canine Influenza Virus .....	\$56.00
Clostridium perfringens genotyping .....	\$52.00
Classical Swine Fever**.....	\$50.00
Contagious ecthyma (Orf) virus.....	\$62.00
Coronavirus (triplex PCR includes rota and Cryptosporidium).....	\$51.00
Cryptosporidium (triplex PCR includes rota and coronavirus).....	\$51.00
E. coli fimbriae and toxins (F5, STA, intimin, stx1, stx2, etc).....	\$52.00
Equine Herpesvirus-1 (EHV-1) neuropathogenic and wild type.....	\$67.50
Helicobacter spp. ....	\$51.00
Malignant Catarrhal Fever (MCF).....	\$53.00
M. avium spp. paratuberculosis (Johne's Disease) (less than 4) ...	\$51.00
4 or more samples .....	\$40.00
Mycobacterium spp. Identification by universal primers.....	\$146.00
Mycobacterium PCR only (negative PCR with universal primers).....	\$67.50
Mycoplasma bovis speciation.....	\$53.00
Mycoplasma haemolamae.....	\$53.00
Mycoplasma ovipneumoniae (less than 4).....	\$50.00
4 or more samples .....	\$40.00
Neospora and Toxoplasma Duplex.....	\$55.00
Pasteurellaceae leukotoxin [lktA gene](less than 4).....	\$48.00
4 or more samples .....	\$40.00
Rhodococcus equi.....	\$57.00
Salmonella spp. ....	\$57.00
Toxoplasma and Neospora Duplex.....	\$55.00
Tritrichomonas foetus (less than 4) .....	\$50.00
4 or more samples .....	\$40.00
Tritrichomonas foetus pool of 2 to 5 samples.....	\$63.00
West Nile Virus.....	\$52.00

## PCR Tests for Fish Pathogens

Flavobacterium psychrophilum.....	\$55.00
Infectious pancreatic necrosis virus .....	\$52.00
Infectious salmon anemia virus .....	\$50.00
Salmon alphavirus.....	\$50.00
(call lab for discount if testing both ISAV and SAV)	
Koi herpesvirus .....	\$52.00
Myxobolus cerebralis.....	\$52.00
Renibacterium salmoninarum (BKD) .....	\$91.00
Spring viremia of carp virus (SVCV).....	\$51.00
Mycobacterium spp speciation by sequencing.....	\$146.00
Yersinia ruckeri.....	\$50.00
Viral hemorrhagic septicemia virus.....	\$55.00
Direct PCR/sequencing (bacteria/myxozoa/other) .....	\$146.00

## PCR Tests for Avian Pathogens

(see AHFSL price list for additional avian assays).

Avian influenza—Individual**.....	\$50.00
Avian paramyxovirus (Newcastle's Disease)**.....	\$50.00
Infectious Bursal Disease .....	\$75.00

\*\*USDA-APHIS Program testing

## Organism Identification and Sequencing

Direct PCR/sequencing incl PCR.....	\$146.00
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## Pathology

Fees are charged per animal. No limit on number of tissues.

### Histopathology

Surgical Biopsy (no limit on # of samples).....	\$60.00
Field necropsy (postmortem samples).....	\$65.00
Histo on WADDL necropsy.....	\$65.00

### Necropsy

Fee includes gross only and disposal except for Private Cremation; histology is required

Fetus.....	\$75.00
Bear/Wild Carnivore.....	\$150.00
Bovine (adult).....	\$125.00
Bovine (calf).....	\$100.00
Camelid.....	\$175.00
Canine/Feline with Group cremation.....	\$150.00
Canine/Feline with Private cremation.....	\$130.00
Cervid/Exotic Hoofstock.....	\$100.00
Equine.....	\$200.00
Goat/Sheep/Porcine/Cervid/Antelope.....	\$100.00
Small Mammal/Exotic (rabbits/rodents/reptiles).....	\$70.00
Fish/Amphibian (see Aquatic Health fee section)	

## Parasitology

Baermann .....	\$15.00
Fecal float .....	\$15.00
Parasite ID .....	\$20.00
Giardia Antigen Assay.....	\$25.00
Sedimentation .....	\$20.00

## Toxicology

Additional analyses, including soil, water and plant testing, may be available through the Analytical Sciences Laboratory. Please call for assistance. See waddl.vetmed.wsu.edu for Out-of-State prices.

### Individual

Acetylcholinesterase.....	\$25.00
Aflatoxin.....	\$30.00
Ammonia.....	\$18.00
Arsenic (blood, urine).....	\$44.00
Arsenic (See Trace Mineral Screen)	
Barium (source material).....	\$25.00
Barium (See Trace Mineral Screen)	
Cadmium (blood, urine) .....	\$44.00
Cadmium (See Trace Mineral Screen)	
Calcium (See Trace Element Screen)	
Carbamate Pesticide Screen .....	\$100.00
Chlorinated Herbicide Screen.....	\$100.00
Chromium.....	\$42.00
Chromium (See Trace Mineral Screen)	
Cobalt (blood) .....	\$44.00
Cobalt (tissue—see Trace Mineral Screen)	
Copper (tissue) .....	\$25.00
Copper (See Trace Element, Trace Mineral, Selenium & Copper Screens)	
Ethylene and Propylene glycol (by gas chromatography).....	\$64.00
Fluoride.....	\$18.00
Glutathione Peroxidase.....	\$25.00
Iron (serum—see Trace Element screen)	
Iron (tissue—see Trace Mineral Screen)	
Lasalocid (See Ionophore Screen)	
Lead .....	\$33.00
Lead (tissue—see Trace Mineral Screen)	
Magnesium (serum—see Trace Element Screen)	
Manganese (blood, serum) .....	\$44.00
Manganese (tissue - see Trace Element Screen)	
Melamine Screen.....	\$154.00
Mercury (blood, tissue).....	\$36.00
Metaldehyde .....	\$50.00
Molybdenum (plasma) .....	\$44.00
Molybdenum (tissue— Trace Mineral Screen)	
Monensin & Narasin (See Ionophore Screen)	
Nitrate (serum, plasma, ocular fluid/intact eye, soil, water, plant; add \$4.00 for drying/grinding).....	\$15.00
Organochlorine Pesticide Screen .....	\$100.00
Organophosphate Pesticide Screen.....	\$100.00
pH .....	\$10.00



# Washington Animal Disease Diagnostic Laboratory

**Fee schedule effective February 15, 2021**

Phosphorus (serum—see Trace Element Screen)	
Plant/Mushroom/Blue-Green algae (cyanobacteria) Identification	\$10.00
Salinomycin (see Ionophore Screen)	
Selenium .....	\$20.00
Selenium (See Trace Mineral & Selenium and Copper Screens)	
Strychnine .....	\$30.00
Vitamin E .....	\$25.00
Zinc (See Trace Element & Trace Mineral Screens)	
Zinc phosphide—phosphine gas.....	\$60.00

### Screens

**Ionophore screen** (monensin, lasalocid, salinomycin, narasin).....\$50.00

**Selenium and Copper Screen (liver)**.....\$44.00

**Trace Element Screen (serum):** (calcium, copper, iron, magnesium, phosphorus, zinc; sodium and potassium on request).....\$20.00

**Trace Element Screen and Selenium (serum):** (calcium, copper, iron, magnesium, phosphorus, selenium, zinc; sodium and potassium on request).....\$40.00

**Trace Mineral Screen (tissue):** (arsenic, barium, cadmium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, selenium, zinc).....\$75.00

    Single element.....\$45.00

Gas chromatography—mass spectrometry **organic screen (call lab before requesting)**.....\$65.00

## Virology

Bovine Virus Diarrhea Virus - Persistent Infection (PI).....	\$7.00
Isolation in cell culture (includes up to 3 samples).....	\$51.00



Washington Animal Disease Diagnostic Laboratory

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