

# 2018 PADLS Fee Schedule



**New Bolton Center**  
**University of Pennsylvania**  
382 West Street Road  
Kennett Square, PA 19348-1692  
(610) 444-5800

**Pennsylvania Veterinary Laboratory**  
**Pennsylvania Department of Agriculture**  
2305 North Cameron Street  
Harrisburg, PA 17110-9405  
(717) 787-8808

**Animal Diagnostic Laboratory**  
**Pennsylvania State University**  
Wiley Lane  
University Park, PA 16802-6720  
(814) 863-0837

Accredited by the American Association of Veterinary Laboratory Diagnosticians



PADLS is dedicated to supporting Pennsylvania agriculture through the diagnosis and prevention of animal disease. Further information is available at:

[www.padls.org](http://www.padls.org)

Follow the link to the **User guide** for collection of specimens, shipping guidelines, test set-up days, turn-around times, content of serology panels, submission forms, field sampling kits, available media, etc.

**January 1, 2018**

**Fees are subject to change**

## General Policies

- Telephone and standard FAX reports are provided at no additional charge.
- A minimum fee of \$25 is charged for referral of specimens to other laboratories
- Specimens for rabies virus detection, non-human exposure or for human exposures should be sent to the PADLS laboratory in Harrisburg. Testing is free for PA clients. Out-of-state clients may be charged \$150.00
- A fee of \$25 is charged for shipping specimens for rabies testing using Quick Courier

## Accessioning

An accession fee is charged based on the total bill, as follows:

for fees up to \$19.99	\$5.00
for fees \$20.00 to \$39.99	\$12.00
for fees over \$40.00	\$18.00

**No accession fee** is levied for regulatory testing, including the following tests: AI, MG, MS, S. pullorum, EIA, or tests marked with the symbol "†".

## Out-of State Fees

A 30% surcharge is applied for out-of-state submissions with the exception of contracts, or as specified. For autopsy (necropsy) submissions, ancillary tests are charged a la carte in addition to the autopsy fee. Please contact the laboratory if you need more information.

### Aquaculture

Hobbyist/pet fish necropsy (1-5 fish)	\$40.00
Commercial fish necropsy (1-5 fish)	\$60.00
Diagnostic virus isolation – salmonid (3 pools, 5 fish per pool) for IPNV, IHNV, VHSV & VHSV type IVb	\$160.00
Diagnostic virus isolation For VHSV type IVb, only	\$90.00
Diagnostic virus isolation non-salmonid samples (3 pools, 5 fish per pool) for LMBV on FHM or BF-2 cells, or KHV on KF-1 cells, and PCR test LMBV or KHV VHSV Type IVb on FHM cells and PCR test VHSV Type IVb	\$120.00
Viral monitoring (salmonid samples, 12 pools, 5 fish per pool) for IPNV, IHNV, VHSV & VHSV Type IVb on both CHSE and FHM cell lines	\$215.00
Viral monitoring (non-salmonid samples, 12 pools, 5 fish per pool) for LMBV on FHM or BF-2 cells, or KHV on KF-1 cells and PCR test LMBV or KHV for VHS Type IVb on FHM cells and PCR test on VHSV – IVb, only	\$240.00
Whirling disease (60 fish)	\$300.00

### \*Bacteriology/Mycology

Aerobic culture	\$26.00
Anaerobic culture	\$41.50
Antibiotic residue (urine)	\$17.00
Antibiotic susceptibility (each)	\$13.00
Antibiotic susceptibility, MIC	\$22.00
<i>Bacillus anthracis</i> culture	\$20.00
Blackleg assay (FA, 4 antibodies)	\$16.00
Blood culture	\$43.00
<i>Brucella</i> culture (including <i>B. canis</i> )	\$17.50
<i>Campylobacter spp.</i> culture (including Vibriosis)	\$21.50
Contagious equine metritis (CEM)	\$20.00
<i>Clostridium perfringens</i> culture	\$19.00
<i>Cl. difficile/perfringens</i> toxin ELISA	\$41.00
Darkfield microscope exam	\$7.50
Fungal culture	\$27.00
Gram stain	\$7.50
<u>Johne's disease testing</u>	
Fecal culture	\$17.00
Pooled fecal culture (max. pool size 5)	\$20.00
Culture/sample from positive pool	\$17.00
Environmental culture	\$17.00

\*also see Molecular Diagnostics (p 3)

### † Johne's program testing

(for information call: 717-783-5301)

Fecal culture	\$13.00
Pooled fecal culture (max. pool size 5)	\$20.00
Culture/sample from positive pool	\$6.00
Environmental culture	\$13.00
<i>Leptospira</i> FA	\$15.00

### Mastitis culture

Quarter/composite aerobic sample	\$5.00
Herd survey (>8 cows, all 4 quarters per cow)	\$12.00
<i>Mycoplasma</i>	\$7.00
Mycoplasma 10 samples/pool	\$10.00
Bulk tank milk analysis (quant. culture, 3 dilutions)	\$30.00
Bulk tank milk analysis & <i>Mycoplasma</i>	\$35.00
Species ID from plates & slants/isolate	\$4.00
<i>Mycoplasma spp.</i> culture	\$18.50
Quantitative bacterial culture	\$26.00

### Salmonella culture

Fecal, env., feed, tissue sample, etc.	\$22.00
Herd screening (for >5 specimens)	\$16.00
† Egg pools (10-20 eggs/pool) – in-state PEQAP	\$6.25
† Environmental – in-state PEQAP	\$21.00
† FDA SE - in-state PEQAP	\$21.50

† FDA SE – in-state non-PEQAP	\$39.00
† FDA SE – out-of-state	\$55.00
ISO culture procedure	\$65.00
† RapidChek (Gp D1) SE test	\$15.00
RapidChek (Gp D1) SE test (out-of-state, non-regulatory)	\$31.00
† RapidChek SE confirmation culture	\$21.50
RapidChek SE confirmation culture (out-of-state, non-regulatory)	\$40.00
<i>Salmonella</i> serotyping	\$40.00
<i>Salmonella</i> serotyping (STAT) (billed through NBC)	\$60.00
<i>Salmonella</i> serogrouping	\$7.00
Special stains	\$9.00
† <i>Taylorella equigenitalis</i> culture	\$20.00
<i>Tritrichomonas</i> culture	\$20.00
<i>Ureaplasma</i> culture	\$16.50
Water analysis for coliforms	\$26.00
<i>Yersinia spp.</i> culture	\$18.50

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### **Field Investigation**

Avian site visit	\$125.00
Mammalian site visit (plus diagnostic testing costs if required)	\$125.00

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### **Molecular Diagnostics**

<i>Actinobacillus pleuropneumoniae</i> PCR	\$25.00
<i>Anaplasma marginale</i> PCR	\$25.00

Anaplasma phagocytophilum (Granulocytic Anaplasmosis) & Borrelia burgdorferi (Lyme disease) Duplex PCR	\$35.00	Encephalomyocarditis virus (EMCV) PCR	\$35.00
Avian influenza PCR (and H5/H7 strain typing) (State shows/exhibition/LBM)	\$35.00 \$15.00	Epizootic hemorrhagic disease (EHD) PCR	\$25.00
Avian paramyxovirus-1 (and END) PCR	\$35.00	Equine herpesvirus-1 (EHV-1) PCR (Abortigenic & neuropathogenic strain differentiation upon request)	\$25.00
Avian reovirus or rotavirus PCR (each PCR test)	\$80.00	Foot and mouth disease PCR	Call the Lab
Bovine coronavirus (BCoV) PCR	\$25.00	Infectious bronchitis virus PCR	\$50.00
Bovine herpesvirus (BHV1) or Infectious bovine rhinotracheitis (IBR) virus PCR	\$25.00	Infectious bronchitis – Mass., Conn., Ark. Strains PCR	\$100.00
Bovine respiratory syncytial virus (BRSV) PCR	\$25.00	Infectious laryngotracheitis virus (ILT) PCR	\$80.00
Bovine viral diarrhea virus (BVDV) PCR (tissue/milk/serum)	\$35.00	Influenza A PCR (avian, canine, equine, swine)	\$35.00
		Influenza D PCR	\$35.00
		Koi carp herpesvirus PCR	\$35.00
<b>☆Contact lab for details and scheduling</b>		Leptospira spp. PCR	\$20.00
☆BVDV (type 1 & 2) pooled PCR for serum or blood – cattle (max. pool size 30) or camelids (max. pool size 10)	\$60.00	Listeria monocytogenes PCR	\$50.00
☆BVDV pooled PCR for serum (exports, only-applicable for ≥ 100 cattle; max. pool size 10)	\$20.00	Malignant Catarrhal Fever (MCF)/Ovine Herpesvirus 2 PCR	\$35.00
BVDV pooled ear notch PCR (max. pool size 20)	\$20.00	Microbial sequencing	\$50.00
Bluetongue virus (BTV) PCR	\$25.00	Microbial sequencing viral ID	\$80.00
Campylobacter jejuni PCR	\$35.00	†Mycobacterium paratuberculosis (Johne's) individual PCR	\$17.00
Chlamydophila psittaci PCR (isolate confirmation)	\$45.00	†Mycobacterium paratuberculosis (Johne's) pooled PCR (max. pool size 5)	\$20.00
Classical swine fever PCR	Call the Lab	Mycoplasma bovis PCR	\$20.00
Clostridium perfringens toxin typing PCR	\$35.00	Mycoplasma gallisepticum (MG)	\$20.00
Eastern equine encephalitis (EEE) PCR	\$35.00	Mycoplasma synoviae (MS)	\$20.00
		MG/MS multiplex [NPIP] PCR	\$40.00

<i>Mycoplasma hyopneumoniae</i> PCR	\$20.00
<i>Mycoplasma spp.</i> PCR	\$20.00
<i>Neospora caninum</i> PCR	\$35.00
Parainfluenza virus (PI3) PCR	\$25.00
<i>Pasteurella multocida toxA</i> PCR	\$25.00
Porcine circovirus type 2 (PCV-2)	\$35.00
Porcine parvovirus (PPV) RT-PCR	\$25.00
Porcine parvovirus (PPV) gel-based PCR	\$25.00
Porcine epidemic diarrhea virus (PEDV) – Swine delta coronavirus (SDCoV) – Transmissible Gastroenteritis virus (TGEV) Multiplex PCR Panel	\$30.00
Porcine respiratory coronavirus (PRCV) and Transmissible gastroenteritis virus (TGEV) gel-based PCR	\$25.00
Porcine reproductive & respiratory syndrome virus (PRRSV) PCR	\$20.00
PRRSV Eurasian/North America strain PCR	\$20.00
<i>Salmonella</i> genomic fingerprinting – PFGE	\$50.00
<i>Salmonella</i> plasmid profile	\$35.00
† <i>Salmonella</i> Enteritidis (SE) PCR [FDA only]	\$30.00
†SE PCR (PEQAP & FDA or NPIP) egg or environmental	\$15.00
<i>Salmonella spp.</i> PCR	\$35.00
Seneca Valley virus (SVA) PCR	\$35.00
Sequencing for bacterial (16S) or fungal (28S) ID	\$50.00

<i>Streptococcus equi subspecies equi</i> PCR	\$35.00
Swine influenza PCR (including novel H1N1)	\$40.00
Transmissible gastroenteritis virus (TGEV) PCR	\$25.00
<i>Tritrichomonas foetus</i> PCR	\$20.00
West Nile virus (WNV) PCR	\$35.00

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## Parasitology (fecal)

Cryptosporidium ELISA	\$15.00
Giardia ELISA	\$15.00
Cryptosporidium and Giardia FA	\$15.00
Cryptosporidium acid fast testing	\$9.00
Centrifugation/fecal flotation, quantitative	\$25.00
Fecal parasite direct smear	\$13.00
Modified double fecal centrifugation	\$15.00
Modified McMaster's fecal flotation	\$15.00
Parasite identification	\$13.00

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## Pathology

### Histopathology

Biopsy – Slides (H & E)	\$42.00
Biopsy – eye 2" x 3" slide	\$52.00
#†CWD IHC	\$25.00
Endometrial biopsy with epicrisis	\$42.00
H & E slide preparation, only	\$9.00
Immunohistochemistry per slide	\$35.00
Special stains	\$9.00

# Accession fee waived for veterinarian/CCT submitted cervines, only (please see Hunter harvest submission form)

**Necropsy – mammals**

Animals <250 lbs. or field necropsy, tier 1	\$46.50
Animals <250 lbs. or field necropsy, tier 2	\$146.50
Bovine >250 lbs., tier 1	\$93.00
Bovine >250 lbs., tier 2	\$193.00
Equine >250 lbs., tier 1	\$137.00
Equine >250 lbs., tier 2	\$237.00
Dog/Cat	\$350.00
Dog/Cat field necropsy	\$125.00
Exotic animal (based on size, number of ancillary tests and cord removal)	\$23.00 - \$126.00

**Additional Necropsy Fees: mammalian**

Aborted fetus, per dam (serology not included)	\$136.00
Demineralization	\$25.00
Diarrhea panel	\$136.00
Field necropsy mailers (partials available)	\$16.00

**Spinal cord removal**

Animals <250 lbs.	\$63.00
Animals >250 lbs.	\$95.00
TSE (CWD & Scrapie) sample extraction/head	\$16.00
TSE (CWD & Scrapie) sample Carcass disposal	\$42.00

**Necropsy – poultry**

Backyard flocks/SE Reactors	\$30.00
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Commercial poultry, pet birds, wild birds \$60.00

Hatchery residue break-out analysis \$120.00

**Necropsy Carcass Disposal Avian**

Carcasses < (or equal to) 100 lbs. No charge

Carcasses 101-249 lbs. \$21.00

Carcasses > (or equal to) 250 lbs. \$42.00

**Necropsy Carcass Disposal Mammalian**

<250 lbs. \$21.00

>250 lbs. \$42.00

**Disposal Fee (no testing requested)**

<250 lbs. \$21.00

>250 lbs. \$42.00

>500 lbs. \$158.00

Zoo and mass disposal Discretionary

**Serology – Avian**

†All avian AGID, except avian Influenza \$3.00

†Avian influenza – AGID serum \$1.55

†Avian influenza – AGID eggs \$1.75

†Avian influenza – AGID (program) \$0.55

Avian influenza – AGID (out-of-state) \$2.00

All avian serological ELISA \$1.50

†All avian HI (except as noted) \$3.00

Infectious bursal disease – AGID \$3.00

†*Mycoplasma* – plate \$0.50

*Mycoplasma* – plate (out-of-state) \$1.00

† <i>Salmonella pullorum</i> – plate/tube	\$0.50
<i>Salmonella pullorum</i> – plate/tube (out-of-state)	\$1.00

## Serology – Mammalian

All mammalian - CF	\$7.00
Anaplasmosis - cELISA	\$4.50
Bluetongue- AGID	\$4.00
Bluetongue – cELISA	\$4.50
Bovine leukosis virus (BLV) - AGID	\$4.00
Bovine leukosis virus (BLV) - ELISA	\$4.50
Bovine parainfluenza-3 – HI	\$4.00
†Bovine pregnancy - ELISA	\$2.75
Bovine prepurchase panel (ea.)	\$15.00
Bovine reproductive panel (ea.) (includes acute + convalescent)	\$30.00
Bovine respiratory panel (ea.) (includes acute + convalescent)	\$30.00
Bovine respiratory syncytial virus (BRSV) – SN	referral fee
Bovine viral diarrhea (BVD) – SN	\$11.00

### Brucellosis

<i>Brucella</i> acidified plate (BAPA)	\$1.25
<i>Brucella canis</i> RSAT/RSAT 2-ME	\$17.50
<i>Brucella canis</i> RSAT/RSAT 2-ME & Indirect Immunofluorescent Antibody test (IFA)	\$29.00
<i>Brucella canis</i> Tube Agglutination	\$17.00
Card agglutination	\$1.25
Complement fixation	\$7.00
<b>Export, any test except CF</b>	<b>\$2.00</b>
Fluorescent polarization assay	\$2.50

(FPA)	
Rapid automated presumptive (RAP)	\$1.00
Rivanol agglutination	\$1.50
Standard plate test (SPT)	\$2.00
Standard tube test (STT)	\$2.00
(Brucellosis) Ovine - ELISA	referral fee
Eastern equine encephalitis virus (EEE) IgM antigen-capture ELISA	\$16.00
Epizootic hemorrhagic disease (EHD) - AGID	\$4.00
†Equine infectious anemia – AGID (Coggins)	\$7.50
Coggins/EIA Reissue >30 days	\$10.00
†Equine infectious anemia – cELISA	\$20.00
Equine rhinopneumonitis (EHV 1, 4) - SN	\$11.00
<i>Histophilus somni</i> - AGGL	referral fee
Infectious bovine rhinotracheitis (IBR) – kinetic-ELISA	referral fee
Infectious bovine rhinotracheitis (IBR) – SN	\$11.00
Johne’s disease – AGID	\$4.00
†Johne’s disease (serum) – ELISA [program]	\$3.00
Johne’s disease (serum) – ELISA [non-program]	\$5.00
†Johne’s disease (milk) – ELISA [program]	\$5.00
Johne’s disease (milk) – ELISA [non-program]	\$5.50
Leptospirosis (5 serovars) – MAT <i>canicola, grippityphosa, hardjoprajitno, icterohaemorrhagiae, and pomona</i>	\$14.00

Leptospirosis (6 serovars) – MAT	\$16.50	Anion panel (Cl, NO <sub>3</sub> , NO <sub>2</sub> , SO <sub>4</sub> , PO <sub>4</sub> ) – biological fluids	\$44.00
<i>canicola, grippityphosa, hardjoprajitno, icterohaemorrhagiae, pomona, plus bratislava or autumnalis</i>		Anion panel (Cl, NO <sub>3</sub> , NO <sub>2</sub> , SO <sub>4</sub> , PO <sub>4</sub> ) – water	\$46.00
Leptospirosis (7 serovars) – MAT	\$20.00	Anion, single – various sample types	\$23.00
<i>canicola, grippityphosa, hardjoprajitno, icterohaemorrhagiae, pomona, bratislava &amp; autumnalis</i>		Anticoagulant rodenticide screen	\$74.00
<i>Mycobacterium bovis</i> (BTB)		Avitrol (4-aminopyridine) – pesticide screen	\$74.00
Gamma Interferon (regulatory)	No charge	Bromide	\$36.00
Neospora caninum – ELISA	\$6.00	Chloride	\$36.00
Ovine progressive pneumonia (OPP) – AGID	\$4.00	Chlorinated hydrocarbon (insecticide screen)	\$100.00
Piroplasmosis (Babesia caballi)	\$18.00	Cholinesterase, blood	\$25.00
Piroplasmosis (Theileria [Babesia] equi)	\$18.00	Cholinesterase, brain or retina	\$31.00
Piroplasmosis (Babesia caballi & Theileria [Babesia] equi)	\$34.00	Convulsants screen (Penitrem, roquefortine, strychnine)	\$74.00
Porcine parvovirus – HI	\$4.00	Cyanide (prussic acid)	\$34.00
Porcine reproductive & respiratory syndrome (PRRS) – ELISA	\$5.50	Drug analysis, single drug (call lab for availability)	\$141.00
Pseudorabies (PRV) ELISA	\$4.50	Drug screen, prepurchase	\$175.00
Q fever ( <i>Coxiella burnetti</i> ) – ELISA	\$6.00	Electrolytes panel (Mg, Ca, Cl, P, K)	\$38.00
Small ruminant lentivirus (SRLV) – cELISA [CAE, OPP]	\$4.50	Ethylene glycol (antifreeze)	\$57.00
Swine influenza – HI (includes HI and H3)	\$4.00	Fat content	\$12.00
Toxoplasmosis – HA	referral fee	Ionophore screen (monensin, lasalocid, etc.)	\$100.00
West Nile virus – IgM antigen-capture ELISA	\$12.00	LC/MS screen	\$74.00
		LC/MS confirmation of GC/MS or LC/MS screens	\$56.00
		Macrolides (ivermectin, moxidectin, doramectin, selamectin, eprinomectin, spinosad, milbemycin)	\$100.00

## Toxicology

Algal toxins screen (anatoxin, microcystins, nodularin) using LC/MS	\$141.00
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Melamine/cyanuric acid	\$141.00	Pesticide screen (organophosphates, carbamates, metaldehyde, avitrol, starlicide, strychnine)	\$74.00
Metaldehyde (pesticide screen)	\$74.00		
<b>Mineral panels</b>			
Heavy metal screen (As, Cd, Pb, TI)	\$36.00	Plant identification	\$25.00
Serum mineral screen w/selenium	\$48.00	Prussic acid (cyanide)	\$34.00
Nutritional tissue or biopsy metal screen (Ca, Co, Cu, Fe, Mg, Mn, Mo, Se, Zn)	\$38.00	Starlicide (3-chloro-p-toludine HCl) [pesticide screen]	\$74.00
Complete (tissue, feed, biological fluid – 15 elements [Se, but no Hg])	\$50.00	Tranquilizer screen (call for list of drugs included)	\$74.00
Ocular fluid (Ca, Cl, Mg, Na, K, P)	\$43.00	Vitamin E (serum)	\$27.00
Lead	\$23.00	Vitamin E (tissue)	\$33.00
Mercury	\$29.00	Zinc phosphide	\$74.00
Selenium (blood, serum, tissue)	\$26.00	<hr/>	
Selenium (feed)	\$35.00	<b>Virology, Avian</b>	
Single element – not Se or Hg (fluid, tissue, feed)	\$23.00	(see Molecular Diagnostics also)	
Single element, non-routine	\$53.00	AGID test for detection of avian virus antigens	\$5.00
Mycotoxin screen (aflatoxins, DON/vomitoxin, fumonisins, ochratoxin, T-2 toxin, zearalenone)	\$98.00	Avian influenza (AIV) - paramyxovirus (PMV) – VI	\$35.00
Mycotoxin, single	\$48.00	Avian influenza – dot ELISA (AIV, only)	\$7.50
Nitrates/nitrites	\$36.00	†Avian influenza - VI for show/ Exhibition/LBM 5 swabs/pool [in-state]	\$15.00
Nonsteroidal anti-inflammatory Screen (call for current list of drugs included)	\$74.00	†LBM – VI for AIV surveillance, 5 swabs/pool [in-state program]	\$15.00
Organic chemical screen	\$74.00	†LBM/show/exhibition– PCR for AIV surveillance, 5 swabs/pool [in-state program]	\$15.00
Organochlorine insecticide and PCB screen	\$100.00	Chlamydia isolation	\$40.00
PCBs (total)	\$100.00	Chlamydia – PCR	\$45.00
		FA test for detection of avian virus antigens	\$15.00
		Direct transmission electron microscopy negative staining (per specimen)	\$55.00

Infectious bronchitis virus (IBV) VI	\$60.00
Infectious bronchitis virus - monoclonal antibody-based dot ELISA	\$7.50
Infectious bronchitis virus – monoclonal antibody-based IFA for Mass., Conn., & Ark.	\$88.00
Influenza A – antigen-capture immunoassay	\$18.00
PVM type-2 and type-3 VI	\$40.00
Virus isolation (all others)	\$45.00

### **Virology, Mammalian**

All mammalian virology – FA	\$10.00
Bovine rotavirus – ELISA	\$6.50
BVD ear notch immunohistochemistry	\$5.50
BVD ear notch - ELISA	\$5.50
BVD microplate assay pi (persistent infection)	\$5.00
BVD virus ELISA (serum)	\$5.50
Bovine coronavirus - ELISA	\$10.00
Chlamydia isolation	\$40.00
Direct transmission electron microscopy negative staining (per specimen)	\$90.00
Influenza A – antigen-capture immunoassay	\$18.00
Virus isolation	\$40.00

Call the PA Beef Council @ (888) 423-3372  
for information on BVD, BQA & DBQA  
programs