



Oklahoma Animal Disease Diagnostic Laboratory (OADDL)

CENTER FOR VETERINARY HEALTH SCIENCES

1950 West Farm Road | 405-744-6623 | cvhs.okstate.edu/oaddl

Healthy Animals – Healthy People

Fee Schedule (effective May 1, 2017)

OADDL testing fees apply primarily to diagnostic submissions by veterinarians. Animal owners and producers desiring to submit specimens are encouraged to contact their veterinarian. Fees charged by veterinarians usually reflect their time, expertise, interpretation of results, and implementation of appropriate intervention strategies.

Consultation services, special clinical investigations, legal depositions, court appearances, and work performed for the purpose of product validation or commercialization will incur charges above the published diagnostic testing fees.

OADDL reserves the right to utilize reference laboratories as necessary to complete test requests. Testing performed at reference laboratories will be indicated as such on the report; an additional shipping charge will apply.

A monthly billing statement will be sent from the Oklahoma State University Bursar’s Office.

An itemized Summary of Charges (SOC) will be provided with each Final Report from OADDL. If you do not wish to receive the SOC with your report, please contact the lab.

GENERAL FEES

OADDL does not levy an Accession Fee.

Reports are emailed (preferred) or faxed at no cost. A \$3.00 fee will be assessed to mail reports via USPS (excluding regulatory papers).

Legal/Insurance cases \$150.00

Extended storage of samples on legal/insurance cases will incur an additional fee, specimen restrictions apply.

Emergency/after-hours necropsy and rabies submissions..... \$100.00

For emergency submissions on weekends, holidays or weather-related lab closure days, please call (405) 744-6623 to schedule a delivery time between 8:00 AM and 5:00 PM. OADDL does not offer emergency service on Thanksgiving or Christmas. The emergency fee will also be applied to any necropsy submission after 4:00 PM on Fridays or the day before a holiday. The emergency fee is waived on animals submitted for rabies-only testing.

Rabies testing (brain removal and shipment to the Public Health Lab (PHL) at the Oklahoma State Health Department (OSDH) in Oklahoma City, OK for rabies examination)

Rabies testing on necropsy submission \$30.00

Rabies testing only (no necropsy performed)

Animal < 100 pounds, includes disposal fee..... \$35.00

Animal > 100 pounds, additional disposal fee applies based on weight of animal..... \$50.00

Expedited (“STAT”) testing upon request (only applicable for serology ELISAs, same day PCR testing for EHV-1 when the sample is received between 1:00-3:00 PM, and biopsy cases) \$50.00

PATHOLOGY

Necropsy (Autopsy)

Necropsy charges include gross examination and histopathology, as indicated

General necropsy charges are not capped.

The submission of 2 (food animal or equine) or 3 (companion animal) related neonates may be submitted under a single accession, provided the neonates are submitted at the same time. Poultry necropsy prices below are for 1 - 3 birds of the same species. Additional \$30 fee applied to 2nd and 3rd animal when more than 1 companion animal or exotic submitted at once for related issue, with a max of 3 animals per accession. Additional \$50 fee applied to 2nd and 3rd animal when more than 1 food animal or equine submitted at once for related issue, with a max of 3 animals per accession. When multiple animals are submitted, disposal fee is based on total weight of all animals.

Companion animal and exotic.....	\$195.00
Food animal and equine	\$225.00
Spinal cord removal (only available with necropsy)	\$125.00
Poultry necropsy (domesticated avian species reared for their meat and eggs).....	\$95.00
Small animal limb examination (with disposal)	\$55.00

Disposal

Communal cremation is used for companion animals unless submitter requests private pet cremation.

Disposal fee with each necropsy (excluding private cremation):

Companion animal < 10 pounds.....	\$15.00
Companion animal 10 - 40 pounds.....	\$35.00
Companion animal > 40 pounds.....	\$55.00
Food Animal/Equine < 100 pounds	\$55.00
Food Animal/Equine 100 – 500 pounds.....	\$120.00
Food Animal/Equine 501 – 1,000 pounds.....	\$135.00
Food Animal/Equine 1,001 – 1,500 pounds.....	\$150.00
Food Animal/Equine > 1,500 pounds	\$170.00

HISTOPATHOLOGY

Biopsy accessions will be reported in short or long (detailed) report formats. The short report format consists of the diagnosis along with interpretative comments regarding the biologic behavior and tissue margins. The long report format also includes a detailed description of the microscopic changes. The default reporting format will be short report unless requested otherwise.

Histochemical staining (special staining) and tissue decalcification are included in the histopathology fee.

Biopsy, short format (1 - 3 sites or lesions).....	\$75.00
Each additional site or lesion.....	\$15.00
Biopsy, long (detailed) format (1 - 3 sites or lesions)	\$125.00
Each additional site or lesion.....	\$15.00
Pathologist assistance in trimming large/complex tissues.....	\$35.00
Ear notch for BVDV persistently infected antigen detection by IHC.....	\$9.00
Duplicate slides, each	\$15.00
Immunohistochemical (IHC) staining (per antibody)	\$45.00
Slide consult (H&E-stained; short report format).....	\$75.00
Zoo pathology surveillance (multiple tissues in formalin)	\$75.00
Lab animal surveillance (multiple tissues in formalin)	\$75.00

DISCOUNTED ABORTION PANELS (fees are capped)

Panels include up to 2 (cattle, goat, sheep, horse) or 3 (dog) fetuses on one submission submitted at the same time. If more than one fetus is submitted, samples will be pooled. Testing will be performed on placenta, if available.

NOTE: Serological testing on serum from the dam and fluid from the fetus is available at additional cost (exception: *Brucella* card test in dogs; see below). The submission of acute and convalescent serum samples from the dam is encouraged.

Bovine\$280.00

- Necropsy with disposal (whole fetus and placenta)
- Histopathology
- Bacteriology (pooled aerobic culture on lung & abomasal fluid; *Brucella* & *Campylobacter* culture on abomasal fluid)
- Molecular Diagnostics (IBR PCR on liver; BVDV and Lepto PCR on kidney)
- Toxicology (copper & selenium content on liver; nitrate content on aqueous fluid)

Caprine and Ovine\$240.00

- Necropsy with disposal (whole fetus and placenta)
- Histopathology
- Bacteriology (pooled aerobic culture on lung & abomasal fluid; *Brucella* & *Campylobacter* culture on abomasal fluid)
- Molecular Diagnostics (BVDV on kidney; *Coxiella*, *Chlamydochila* & *Toxoplasma* PCR on placenta; Bluetongue virus PCR on spleen)

Equine\$250.00

- Necropsy with disposal (whole fetus and placenta)
- Placenta examination
- Histopathology
- Bacteriology (pooled aerobic culture on lung and stomach fluid)
- Molecular Diagnostics (EHV PCR on liver)

Canine\$250.00

- Necropsy with cremation (whole fetus and placenta)
- Histopathology
- Bacteriology (pooled aerobic culture on lung & stomach fluid; *Brucella* & *Campylobacter* culture on stomach fluid)
- Molecular Diagnostics (CHV PCR on liver)
- Serology (*Brucella* card test on serum from dam)

DIARRHEA PANELS Applies only to feces and loops of intestine. Ability to perform all tests in the panel depends on the volume of intestinal contents or feces provided.

Bovine\$185.00

- Aerobic culture with antibiotic susceptibility (susceptibility only performed on calves < 6 months)
- Clostridium perfringens* culture with toxin typing by PCR
- Salmonella* culture with antibiotic susceptibility
- Rotavirus group A, Immunocard test (only performed on calves < 6 months)
- Coronavirus PCR
- Centrifugal fecal flotation; direct fecal smear with staining

Canine/Feline\$185.00

- Aerobic culture with antibiotic susceptibility
- Clostridium perfringens* culture with toxin typing by PCR
- Salmonella* culture with antibiotic susceptibility
- Campylobacter jejuni* direct culture
- Parvovirus PCR
- Centrifugal fecal flotation; direct fecal smear with staining
- Tritrichomonas* in cats (additional charge applies; submission of feces in InPouch™ TF Feline or freshly collected and submitted within 24 hours)

Camelids.....\$150.00

- Aerobic culture with antibiotic susceptibility
- Clostridium perfringens* culture with toxin typing by PCR
- Salmonella* culture with antibiotic susceptibility
- Centrifugal fecal flotation; direct fecal smear with staining

Equine\$185.00

- Aerobic culture with antibiotic susceptibility
- Clostridium perfringens* culture with toxin typing by PCR
- Salmonella* culture with antibiotic susceptibility
- Rotavirus group A, Immunocard test (only performed on animals < 6 months)
- Centrifugal fecal flotation; direct fecal smear with staining

Caprine & Ovine.....\$115.00

- Aerobic culture with antibiotic susceptibility
- Clostridium perfringens* culture with toxin typing by PCR
- Salmonella* culture with antibiotic susceptibility
- Centrifugal fecal flotation; direct fecal smear with staining

Porcine\$115.00

- Suckling / nursery
 - Aerobic culture with antibiotic susceptibility
 - *Salmonella* culture with antibiotic susceptibility
 - Rotavirus group A, Immunocard test
 - Enteric Coronavirus PCR (will be forwarded to reference lab; additional fees apply)
 - Centrifugal fecal flotation; direct fecal smear with staining
- Grower / finisher
 - Aerobic culture with antibiotic susceptibility
 - *Salmonella* culture with antibiotic susceptibility
 - Enteric Coronavirus PCR (will be forwarded to reference lab; additional fees apply)
 - Centrifugal fecal flotation; direct fecal smear with staining
 - *Lawsonia* and *Brachyspira* PCR (will be forwarded to reference lab; additional fees apply)

BACTERIOLOGY

Bacteriology fees are levied on a per sample basis unless otherwise specified. Test packages include up to 2 antibiotic susceptibility profiles on organisms selected by OADDL microbiologist. Additional antibiotic susceptibility profiles performed at submitter's request will be charged at the routine testing rate. The urine package below does not include free-catch samples.

Discounted Test Packages

Aerobic culture with antibiotic susceptibility(ies)	\$63.00
<i>Additional culture (ID only) from additional site/swab from the same animal</i>	\$18.70
Anaerobic culture & Aerobic culture with antibiotic susceptibility(ies)	\$72.00
Fungal culture & Aerobic culture with antibiotic susceptibility(ies)	\$77.00
<i>Salmonella</i> culture (identification only) with antibiotic susceptibility	\$38.50
<i>Salmonella</i> isolate serogrouping, if requested on isolates	\$27.50
<i>Salmonella</i> serotyping (speciation) performed as batch testing at no additional cost; expedited serotyping is available upon request (at shipping rate to NVSL).	
Urine culture with antibiotic susceptibility(ies) (cystocentesis or catheter-collected).....	\$36.50

Routine Testing

Aerobic culture	\$36.50
Anaerobic culture	\$38.50
Antibiotic susceptibility (MIC or Kirby-Bauer)	\$36.50
Bacterial Identification by 16S rDNA sequencing	\$16.50
Blood culture (aerobic/anaerobic)	\$36.50/\$38.50
<i>Campylobacter fetus</i> culture	\$27.50
<i>Campylobacter jejuni</i> direct culture	\$27.50
Direct smear examination (acid-fast, Gram)	\$13.00
Clostridial FA panel (<i>C. chauvoei</i> , <i>C. septicum</i> , <i>C. novyi</i> , <i>C. sordellii</i>)	\$39.00
Milk culture (includes one antibiotic susceptibility test by disk diffusion)	\$20.00
<i>Additional antibiotic susceptibility(ies) (per isolate)</i>	\$10.00
<i>Mycoplasma</i> culture	\$18.00
<i>Salmonella</i> culture, environmental samples (stalls, barns & litter)	\$22.00
<i>Salmonella</i> isolate serogrouping, if requested on isolates	\$27.50
<i>Salmonella</i> serotyping (speciation) performed as batch testing at no additional fee; expedited serotyping is available upon request (additional fee at shipping rate to NVSL).	
<i>Salmonella pullorum</i> screening, per bird	\$75.00
<i>Tritrichomonas foetus</i> culture.....	\$15.00
Positive growth PCR confirmation (individual)	\$25.00

CLINICAL PATHOLOGY

Charges for hematology, cytology, and clinical pathology services are levied by Antech Diagnostics, Inc. A reporting fee of \$6.00 will be applied to each accession.

MOLECULAR DIAGNOSTICS (PCR TESTING)

For tests requesting swab specimens, plastic shaft and synthetic (e.g. Dacron) swabs without additives are recommended.

NOTE: PCR fees apply on a per-sample-type basis.

<i>Anaplasma marginale</i> PCR (EDTA blood).....	\$40.00
Avian Influenza Virus PCR (tracheal swab).....	\$45.00
Bluetongue Virus PCR (EDTA blood, spleen).....	\$47.00
Bovine Coronavirus PCR (feces, intestine).....	\$45.00
BVDV PCR (lung, lymph node, kidney, spleen, serum)	\$45.00
Canine Adenovirus I & II PCR (lung, liver, brain)	\$47.00
Canine Distemper Virus PCR (lung, brain, EDTA blood).....	\$47.00
Canine Influenza PCR (nasal swabs from both nostrils)	\$45.00
Canine Parvovirus PCR (feces, intestine)	\$45.00
Classical Swine Fever PCR (tonsil).....	\$45.00
<i>Clostridium perfringens</i> toxin typing (culture material)	\$33.00
<i>Cytauxzoon felis</i> PCR (EDTA blood).....	\$40.00
Ehrlichia PCR (EDTA blood).....	\$45.00
Epizootic Hemorrhagic Disease (EHD) PCR (EDTA blood, spleen)	\$47.00
Equine Herpesvirus 1 (EHV-1) PCR (same day testing <u>not</u> available on submissions after 3:00 PM)	
EHV-1 reproductive failure (fetal, neonatal or placental tissues).....	\$45.00
EHV-1 respiratory or neurologic disease with genotyping (deep nasal swab, EDTA blood)	\$60.00
Equine Herpesvirus 4 PCR (nasal swab, lung, EDTA blood)	\$45.00
Equine Influenza PCR (nasal swab, lung)	\$47.00
Exotic Newcastle Disease PCR (tracheal swab).....	\$55.00
Feline Panleukopenia (feces, intestine).....	\$45.00
General Herpesvirus PCR (multiple tissues/fluids)	\$47.00
Sequencing and analysis of PCR product, additional fee	\$53.50
IBR PCR (nasal swab, tissues, EDTA blood, lung, liver, kidney)	\$45.00
Johne's individual feces PCR	\$48.00
Johne's pooled feces PCR (Submit samples individually. Pooling will be performed at OADDL, up to 5 fecal samples/pool)	\$55.00
<i>If pool is positive, fecal samples will be tested individually at \$48.00 each.</i>	
<i>Leptospira sp.</i> PCR (kidney, urine)	\$37.00
Malignant Catarrhal Fever (MCF) PCR – OVHV-2 (EDTA blood, lesional tissues)	\$47.00
<i>Mycoplasma bovis</i> PCR (lung, joint fluid)	\$40.00
PRRSV PCR - NA/EU (serum, oral fluids, semen, tissue) pooling available, contact lab for details	\$25.00
<i>Tritrichomonas foetus</i> PCR (single InPouch™ TF)	\$25.00
Pooled <i>Tritrichomonas foetus</i> PCR (submit samples individually. Pooling will be performed at OADDL, up to 5 InPouch™ TF/pool)	\$25.00
<i>plus \$5/pouch tested, if pool is positive, pouches will be tested individually at \$25 each</i>	
Swine Influenza Virus PCR (nasal swab)	\$45.00
West Nile Virus PCR (brain; heart is preferred for birds).....	\$55.00

MYCOLOGY

Dermatophyte culture (hair, scab).....	\$35.00
Fungal culture	\$35.00
If fungal Identification by PCR/28S sequencing requested, add	\$20.00

PARASITOLOGY

Fees for parasitology diagnostic services are levied by the Department of Veterinary Pathobiology.

Discounted Test Packages

Canine heartworm antigen- before and after heat treatment (1.0 mL serum or plasma), includes microfilaria test (modified Knott's, 1.0 mL whole blood)	\$30.00
Centrifugal Flotation / Direct Smear	\$22.00
Centrifugal Flotation / Fecal Egg Count.....	\$32.00
Centrifugal Flotation / Baermann.....	\$32.00
Centrifugal Flotation / Sedimentation	\$36.00
Feline heartworm antibody & post heat treatment antigen test (1.0 mL serum or plasma)	\$30.00

Routine Testing

Baermann	\$18.00
Canine heartworm antigen (0.5 mL serum or plasma)	\$30.00
Canine post heat treatment heartworm antigen (0.5 mL serum or plasma)	\$30.00
Direct smear (3-5 g fresh feces).....	\$10.00
Fecal egg count.....	\$18.00
Feline heartworm antibody (0.5 mL serum or plasma)	\$15.00
Feline heartworm antigen (0.5 mL serum or plasma).....	\$30.00
Feline post heat treatment heartworm antigen (0.5 mL serum or plasma)	\$30.00
Centrifugal Flotation	\$18.00
Giardia antigen.....	\$24.00
Gross parasite ID	\$20.00 - \$80.00
Hemoparasite exam (Wright-Giemsa stain).....	\$18.00
Heartworm microfilaria test (modified Knott's)	\$20.00
Sedimentation	\$26.00
Tick identification.....	\$10.00
Total worm count.....	\$80.00

SEROLOGY

A 10% volume discount will be applied to individual serology tests (excluding discounted panels and BVD ELISA) when 20 or more samples are submitted for the same test on a single submission.

Discounted Test Panels

Bovine Abortion (Lepto, IBR SN, BVD SN, <i>Brucella</i> , BVD & <i>Neospora</i> ELISAs)	\$54.00
Bovine ELISA Panel (BVDV, BLV, Johne's; minimum 11 animals)	\$20.00
Tick Profile- antigen to <i>Dirofilaria immitis</i> and antibody to <i>E. canis</i> , <i>E. ewingii</i> , <i>A. phagocytophilum</i> , <i>A. platys</i> , <i>B. burgdorferi</i> (Lyme) and RMSF (IFA)	\$60.00

Routine Testing

Anaplasmosis (c-ELISA).....	\$13.50
Bovine Leukemia (ELISA).....	\$10.50
BVDV ELISA	
1-5 animals	\$9.00
more than 5 animals.....	\$5.00
BVD I (SN)	\$11.00
<i>Brucella abortus</i> (official for swine only)	\$4.40
<i>Brucella canis</i> (IFA)	\$41.20
<i>Brucella canis</i> (card).....	\$13.00

Serology, continued

Eastern Equine Encephalomyelitis IgM ELISA; performed at reference lab; add'l shipping fee applies.....	\$18.00
EIA (C-ELISA) (Send EIA form VS10-11 or use Global VetLINK)	\$12.00
End Point Titration of Serum Samples (SN)	\$11.70
Equine Piroplasmiasis (c-ELISA)	
<i>Babesia caballi</i>	\$20.00
<i>Theileria equi</i>	\$20.00
Equine Protozoal Myeloencephalitis (EPM), performed at reference lab; add'l shipping fee applies.....	\$105.00
Equine Viral Arteritis (SN), performed at reference lab; add'l shipping fee applies.....	\$24.00
IBR (SN)	\$11.00
Johne's (ELISA)	\$10.50
Leptospirosis (includes <i>L. canicola, grippotyphosa, hardjo, icterohemorrhagiae, pomona, autumnalis</i>).....	\$29.00
Neospora (ELISA)	\$11.50
Pregnancy (ELISA; animals include cattle, goats, sheep & buffalo)	
1-5 animals.....	\$9.00
more than 5 animals	\$4.50
PRRSV (ELISA), performed at reference lab; add'l shipping fee applies.....	call for pricing
Pseudorabies (gB ELISA).....	\$6.60
Rocky Mountain Spotted Fever (IFA)	\$35.00
West Nile Virus IgM (ELISA), performed at reference lab; add'l shipping fee applies.....	\$18.00

Bovine Respiratory Disease Volume Testing

BRSV (SN), BVDV II (SN) & PI3 (SN) – requires 3 weeks advanced notification.....call for pricing

TOXICOLOGY

In-house Testing (*same day results*)

Blue green algae / <i>Cyanobacteria</i> (water)	\$18.00
Cyanide / Prussic acid (fresh plant must be harvested within 24 hours of testing)	\$18.00
Lead (EDTA blood).....	\$30.00

Referral Laboratory Testing (*Fees below are current referral lab prices, which are subject to change. Additional shipping charges will apply. If you would like to submit directly to the referral laboratory, please contact OADDL for details.*)

Aflatoxin (feed)	\$50.00
Anticoagulants (blood).....	\$95.00
Anticoagulants (tissue or bait).....	\$105.00
Cantharidin GC-MS [quantitated in 20 mL urine (preferred) or serum]	\$91.00
Drug screen, GC/MS, organic compounds (urine, liver).....	\$150.00
Ethylene / Propylene glycol screen – GC-MS confirmation (whole blood, serum, urine, bait)	\$55.00
Ionophore screen – monensin, salinomycin, narasin & lasalocid (feed or rumen contents)	\$90.00
Mineral analysis, each (2 mL serum, 10 g liver or kidney).....	\$28.00 for 1; each additional \$15.00
Mineral Panel, 29 minerals/elements (2 mL serum, 10 g liver or kidney)	\$48.00

Aluminum, Al	Copper, Cu	Selenium, Se
Antimony, Sb	Iron, Fe	Silicon, Si
Arsenic, As	Lead, Pb	Silver, Ag
Boron, B	Lithium, Li	Sodium, Na
Barium, Ba	Magnesium, Mg	Strontium, Sr
Beryllium, Be	Manganese, Mn	Thallium, Tl
Calcium, Ca	Molybdenum, Mo	Tin, Sn
Cadmium, Cd	Nickel, Ni	Vanadium, V
Chromium, Cr	Phosphorus, P	Zinc, Zn
Cobalt, Co	Potassium, K	

Toxicology, continued

Mycotoxin screen [aflatoxin B1, B2, G1 & G2; T-2 toxin; fumonisin; DON/vomitoxin & zearalenone] (100 g grain, corn, silage, hay).....	\$160.00
Nitrate quantitation (aqueous fluid, serum).....	\$18.00
Nitrate (feed, forage, hay, plant).....	\$6.00
Pesticide screen (organophosphate, carbamate)	\$175.00
Petroleum hydrocarbon screen (rumen contents).....	\$165.00
Sodium (brain only)	\$32.00
Strychnine.....	\$50.00
Sulfates (water only).....	\$12.00
Vomitoxin panel (DON/vomitoxin, nivalenol & zearalenone), (100 g grain, silage or hay)	\$60.00
Water quality (pH, total dissolved salts, conductivity, nitrates, sulfates).....	\$15.00

VIROLOGY

See Molecular Diagnostics section for available viral PCRs.

Isolation of viruses in cell culture (performed at reference lab; add'l shipping fee applies).....	\$53.00
Rotavirus group A, Immunocard test (feces, intestine).....	\$27.50