

ADDRESS AND CONTACT

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MEMBERSHIPS, AFFILIATIONS AND COOPERATIVE AGREEMENTS

American Association of Veterinary
Laboratory Diagnosticians (AAVLD)

National Animal Health Laboratory
Network (NAHLN)

Foreign Animal Disease Diagnostic
Laboratory, Plum Island, New York

National Veterinary Services Laboratories
(NVSL)

United States Department of Agriculture
(USDA)

Animal and Plant Health Inspection
Service (APHIS)

Cooperative State Research, Education and
Extension Service (CSREES)

MAINTAINS ISO 17025 QUALITY SYSTEM STANDARDS

AAVLD ACCREDITED LABORATORY

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DACS-P-01571



BUREAU OF DIAGNOSTIC LABORATORIES (BDL)

Bronson Animal Disease Diagnostic Laboratory
Live Oak Animal Disease Diagnostic Laboratory

The mission of the Bureau of Diagnostic Laboratories is to safeguard animal and public health by rapid, accurate detection and reporting of disease agents for early diagnosis and prevention.



Florida Department of Agriculture
and Consumer Services

Adam H. Putnam, Commissioner



The Florida Department of Agriculture and Consumer Services The Division of Animal Industry



Protecting the health of animals, wildlife and profitability of Florida's animal agriculture since 1957.

1957 - Kissimmee Animal Disease Diagnostic Laboratory (KADDL) was established as the central laboratory with five satellite poultry laboratories at Miami Springs, Bunnell, Cottdale, Callahan and Dade City

1965 - Live Oak Animal Disease Diagnostic Laboratory (LOADDL) was constructed; the poultry laboratories were deactivated except Cottdale

1974 - 1980 - Expansion of KADDL (1,200 sq. ft.) plus virus lab; LOADDL (1,000 sq. ft.)

1981 - 1987 - Computerized accessioning and data processing; fee system was established; purchase of new equipment; KADDL added 4,200 sq. ft. for bacteriology, serology, and additional employee facilities; KADDL & LOADDL began providing diagnostic services to the aquaculture industry

1992 - 2000 - Cottdale laboratory was deactivated and workload moved to LOADDL; revised test fees and placed into the General Revenue Trust Fund; increase in specimen submission & staffing

2004 - 2008 - Opened BSL3 Laboratory, Specimen & Receiving facility, grounds development & construction of Necropsy & Incineration facility

Prevention – Eradication – Control

TEST SERVICES AT BDL

Bacteriology (& mycology) - tests for isolation & ID of bacterial & fungal pathogens, including antimicrobial susceptibility testing to diagnose illness, e.g. contagious equine metritis, paratuberculosis, black-leg, mastitis, strangles, wound, enteric & dermatophyte infections & others.

Clinical Pathology - performs complete analysis of hepatic, pancreatic, renal enzymes, and blood chemistries, electrolytes, complete blood cell counts, body fluids, urine analysis, hormone assays, phenobarbital levels, hemoparasites & heartworm Knott's test.

Histopathology - examines fixed animal tissues, including smear preparations of fluid and aspirates, at the light microscopic level to differentiate and detect abnormalities in order to aid in disease diagnosis.

Immunohistochemistry-(IHC) - tests for the presence of infectious diseases based on immunochemical reactions visualized with a photonic microscope, e.g. leptospirosis (kidney), bovine viral diarrhea (ear notches), scrapie & chronic wasting disease (obex, retropharyngeal lymph nodes).

Molecular Biology & Diagnostics - tests for the molecular detection of West Nile, avian influenza, classical swine fever, Exotic Newcastle, Koi herpes & large mouth bass viruses, Chlamydia, and H1N1 influenza virus.

Necropsy - performs postmortem examinations of animal carcasses, and when indicated submits samples to other laboratory sections for additional testing in order to ascertain the cause of death or illness.

Parasitology - tests for the presence of numerous animal parasitic species via microscopic analysis of fecal specimens prepared by fecal flotation, direct analysis, fecal sedimentation techniques & complete parasite egg counts (McMaster), and Trichostrongylus spp. pouches; gross evaluation of ticks and parasites; screening and preliminary identification of ticks, ELISA procedures for Giardia spp. and Cryptosporidium spp.

Serology - tests for antibodies to agents including West Nile Virus, equine infectious anemia, bluetongue, bovine leukosis virus, leptospira, caprine arthritis encephalitis and Anaplasma.

Toxicology - tests for presence of anticoagulant rodenticides, mycotoxins, heavy metals, copper, cholinesterase, cyanide, gossypol, monensin, nitrates, reserpine, selenium, urea, zinc & screens for drugs (equine pre-purchase).

Virology - tests for isolation and ID of viruses and Chlamydia-causing illness and testing for presence of antibodies to viruses, e.g. equine viral arteritis, pseudorabies virus, equine rhinopneumonitis virus, coronaviruses, rotaviruses, vesicular stomatitis virus and rickettsia and ehrlichia species.

NAHLN - approved testing for avian influenza, Exotic Newcastle disease, classical swine fever, foot and mouth disease, H1N1 influenza, chronic wasting disease and scrapie.

NEW CAMPUS DEVELOPMENTS



BSL3 Laboratory



Shipping & Receiving



Necropsy & Incineration facility