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

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**Memberships, Affiliations, Cooperative Agreements and Collaborations**

- 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)
- National Institute of Food and Agriculture (NIFA)
- University of Florida College of Veterinary Medicine

**Division of Animal Industry**

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**Maintains ISO 17025 Quality System Standards**

AAVLD Accredited Laboratory
NAHLN Laboratory

**Website:** www.FreshFromFlorida.com/ai

**DACS-P-01571** Rev 10-21-2015

Florida Department of Agriculture and Consumer Services
Adam H. Putnam, Commissioner
The Florida Department of Agriculture and Consumer Services
The Division of Animal Industry

TEST SERVICES PROVIDED BY BDL

Bacteriology (& mycology) - tests for isolation/identification of bacterial, fungal and mycobacterial pathogens to diagnose illness, e.g. contagious equine metritis (CEM), paratuberculosis, black-leg, mastitis, streples, pigeon fever, wound, enteric, dermatophyte infections, etc. Including antimicrobial susceptibility testing for bacterial isolates.

Clinical Pathology and Parasitology – tests for the presence of animal parasitic species via microscopic analysis of fecal specimens prepared by zinc or Shafter's centrifugation fecal flotation, sedimentation techniques, direct analysis, parasite egg counts (McMaster) and microscopic analysis of Trichomonas spp. culture pouches; gross evaluation of ticks and parasites; screening and preliminary ID of tick vectors. Immunassay and Fecal Direct Fluorescent Antigen (DFA) tests for Giardia spp. and Cryptosporidium sp. Performs urinalysis, heartworm Knott’s test & cytology.

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

Immunohistochemistry-(IHC) - tests for presence of infectious diseases based on immunochemical reactions visualized through a photonic microscope e.g. leptospirosis (kidney), bovine viral diarrhoea (ear notches, gut), Scrupie & chronic wasting disease (obex, retropharyngeal lymph nodes). please call BADDL for a complete list of tests offered.

Molecular Diagnostics - tests for the molecular detection of viruses, e.g. Avian Influenza (AI), Classical Swine Fever (CSF), Exotic Newcastle Disease (END), Foot and Mouth Disease (FMD), Koi Herpes, Equine Herpes Virus (EHV) Swine Influenza Virus and Spring Viremia of Carp (SVC), Bovine Trichomoniasis.

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

Serology - tests to detect antibodies to viruses, e.g. WNV, EIA, BT, BLV, CAE, other biological agents such as equine pirosisma (B. caball/B. equi), Anaplasma, Leptospiro spp. and Antibodies to detect Brucella, Jöhne’s disease and Pseudorabies. Under the National Poultry Improvement Plan, tests to detect antibodies to Avian Influenza (AI) virus by Agar Gel Immunodiffusion Test (AGID), Salmonella pullorum, Mycoplasma gallisepticum and Mycoplasma synoviae by agglutination.

Virology - Test for isolation of viruses by tissue culture or embryo inoculation and identification by Fluorescence Antibody Test (FAT) or by PCR. Test for bacteria causing Avian chlamydioisis, Tests for presence of antibodies to viruses by serum neutralization for EAV, VSV, BVDV, RSV, PI, EHV, Antigen/antibodies to Coronavirus, EHV, Rota virus, parovirus, Ricketsia and Ehrlichia species.

NAHLN - approved testing for Avian Influenza, Exotic Newcastle Disease, Classical Swine Fever, Foot and Mouth Disease, Swine Influenza Virus, Pseudorabies, Chronic Wasting Disease and Scrupie.