

# Poultry Diagnostic Services

The Texas A&M Veterinary Medical Diagnostic Laboratory (TVMDL) Center Poultry Diagnostic Laboratory and the Sam & Sally Glass Poultry Diagnostic Laboratory in Gonzales provide accurate and precise data to aid in the diagnosis and classification of various poultry diseases. The two poultry-focused labs strive to provide accurate laboratory data with a rapid turnaround time.

## Experienced Personnel:

Our poultry laboratories work together with a poultry pathologist located in College Station to service the commercial poultry industry and small breeders with diagnostics. TVMDL poultry professionals are highly educated and experienced in their field:

- 2 DVM/PhD/Board-Certified Poultry Pathologists
  - 1 Board-Certified Anatomic Pathologist in Gonzales
- 6 Certified Technicians: 3 in Gonzales, 3 in Center
- 1 Molecular Microbiologist in Center

In addition to technically diagnosing disease, each laboratory has a board-certified poultry veterinarian available for telephone consultation for clients. Some diagnostic tests, such as PCR, require interpretation, and TVMDL's professionals are skilled at providing insight.

TVMDL offers the following specialized services:

### • Necropsy/Histopathology

The laboratories offer full necropsy services for all avian species (commercial, back-yard, exotic). This is supplemented by full histopathology services in conjunction with necropsy or for tissues submitted from the field.

### • Serology

The laboratories offer a range of serological services for diseases including Avian Influenza, Newcastle Disease, Infectious Bronchitis, Infectious Bursal Disease, Reovirus, Avian Encephalomyelitis, Salmonella pullorum, Salmonella gallinarum, Salmonella typhimurium, Mycoplasma gallisepticum and Mycoplasma synoviae. Testing formats include enzyme-linked immunosorbent assay (ELISA) tests, plate and tube agglutination tests, hemagglutination inhibition assays, and agar gel immunodiffusion assays.

### • Bacteriology

Conventional aerobic and anaerobic bacteriological assays are offered on site with full backup of sophisticated state-of-the-art bacteriology isolation and identification at the College Station site. Both poultry labs offer an approved FDA Salmonella Enteritidis Rapid Test for environmental samples from poultry farms.

### • Virology/Molecular Diagnostics

Virus and bacteria detection in the form of polymerase chain reaction (PCR) assays are offered for Avian Influenza virus, Newcastle disease virus, Infectious Laryngotracheitis virus, Mycoplasma gallisepticum, and Mycoplasma synoviae.

Isolation of viral pathogens is done at the College Station site and can be forwarded from the poultry laboratories.

### • Parasitology

The laboratories offer parasitology examination at necropsy via direct examination, and skin and internal organ scrapings. Fecal flotation is offered on fecal samples for detection of internal parasites.