

Flock Disease Management

Texas A&M Veterinary Medical Diagnostic Laboratory (TVMDL) supplies veterinarians and animal owners tests for titer information via enzyme-linked immunosorbent assay (ELISA) or polymerase chain reaction (PCR) assays to monitor your flock's disease management program.



Serology (titer) testing is done:

1. To document a targeted quantitative response to vaccination
2. To demonstrate passage of antibody titers to baby chicks
3. To demonstrate an exposure to an infectious agent in which prior vaccination titers are present at low levels.

TVMDL Recommended Serological Tests

Infectious Bronchitis Virus - ELISA

Specimen: 0.5mL serum

Price: \$3.75 with a \$6.00 accession fee.

Turnaround: Performed in Center & Gonzales Monday-Friday, with results in 3-5 days.

Newcastle Disease Virus - ELISA

Specimen: 0.5-1.0mL serum

Price: \$3.75 with a \$6.00 accession fee.

Turnaround: Performed in Center & Gonzales Monday-Friday, with results in 3-5 business days.

Reovirus - ELISA

Specimen: 0.5mL

Price: \$3.75 with a \$6.00 accession fee.

Turnaround: Performed in Center & Gonzales Monday-Friday, with results in 3-5 days.

Infectious Bursal Disease - ELISA

Specimen: 0.5mL

Price: \$3.75 with a \$6.00 accession fee.

Turnaround: Performed in Center & Gonzales Monday-Friday, with results in 3-5 days.

Molecular testing is done:

1. To demonstrate the actual presence of an etiological agent.
2. To detect the presence of an etiological agent prior to serological conversion.
3. To demonstrate the absence of an etiological agent in the face of false positive serological cross reactions.

TVMDL Recommended Molecular Tests

Avian Influenza Matrix - qPCR

Specimen: Tracheal swab, oropharyngeal swab, cloacal swab, 1-2mL tracheal wash, or 1.0g fresh tracheal tissue.

Price: \$25.00 with a \$6.00 accession fee.

Turnaround: Performed in Amarillo, Center & Gonzales Monday - Friday, in College Station Tuesday-Friday, with results in 1-4 business days.

Mycoplasma Gallisepticum & Synoviae - qPCR

Specimen: 1.0g fresh respiratory tissue or swab

Price: \$40.00 with a \$6.00 accession fee.

Turnaround: Performed in Center & Gonzales Monday-Friday, College Station Tuesday-Friday with results in 1-4 business days.

Newcastle Disease Virus - qPCR

Specimen: One or more of: 1.0g tracheal tissue, tracheal swab, cloacal swab, 1-2mL tracheal wash.

Price: \$25.00 with a \$6.00 accession fee.

Turnaround: Performed in Amarillo, Center, & Gonzales Monday Friday, in College Station Tuesday-Friday, with results in 1-4 business days.

