

# Flock disease management



Texas A&M Veterinary Medical Diagnostic Laboratory (TVMDL) supplies veterinarians and animal owners with a wealth of tests that enable flock and herd monitoring. Take advantage of the following 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.

## **Infectious Bronchitis Virus - ELISA**

*Specimen:* 0.5mL serum

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

## **Newcastle Disease Virus - ELISA**

*Specimen:* 0.5-1.0mL serum

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

## **Reovirus - ELISA**

*Specimen:* 0.5mL

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

## **Infectious Bursal Disease - ELISA**

*Specimen:* 0.5mL

*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.

## **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, 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, College Station & Gonzales Monday-Friday, with results in 1-4 business days.