



One step Rapid Immuno-chromatographic test for the detection of New Castle Disease Virus antigen in Avian Cloaca/tracheal swab.

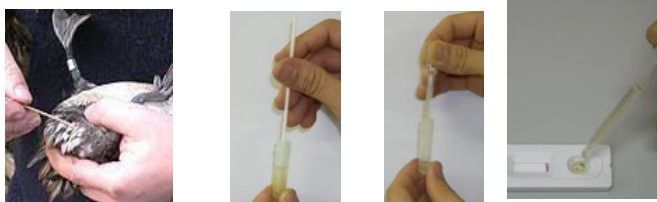
NDV is spread primarily through direct contact between healthy birds and the bodily discharges of infected birds. The disease is transmitted through infected birds' droppings and secretions from the nose, mouth, and eyes. NDV spreads rapidly among birds kept in confinement, such as commercially raised chickens. The disease can be spread easily by mechanical means. Virus-bearing material can be picked up on shoes and clothing and carried from an infected flock to a healthy one. The incubation period for the disease ranges from 2 to 15 days. An infected bird may exhibit several signs, including respiratory signs (gaspings, coughing), nervous signs (depression, inappetence, muscular tremors, drooping wings, twisting of head and neck, circling, complete paralysis), swelling of the tissues around the eyes and neck, greenish, watery diarrhea, misshapen, rough or thin-shelled eggs and reduced egg production.



In acute cases, the death is very sudden, and, in the beginning of the outbreak, the remaining birds do not seem to be sick. In flocks with good immunity, however, the signs (respiratory and digestive) are mild and progressive, and are followed after seven days by nervous symptoms, especially twisted heads.

No treatment for NDV exists, but the use of prophylactic vaccines and sanitary measures reduces the likelihood of outbreaks

Test Procedure



Cloacal secretions

Collect suspension

3 drops to device

Assay Overview

- quickVET NDV Ag a test uses two Highly specific Monoclonal antibodies
- The Virus in the sample react with colloidal gold conjugated detection antibody on conjugate pad
- This labelled antigen-antibody complex is captured by the test area forming a red line.

Organism detected	New Castle Disease Virus
Sample type	Avian Cloaca/tracheal secretions
Shelf Life	24 months
Storage	2-30 °C
Capture Antibody	Monoclonal Anti-NDV Antibodies
Sensitivity	95 %
Specificity	97 %
Comparison Test	RT-PCR
Species	Avian
Packing	1T, 10T, 25T
Ref. No	Q009-01
Cross Reactivity	No Cross Reactivity with MDV, IBDV, ILT, REO, IB and CAV

Rapid NDV Testing

- Quick results available in few minutes.
- Require no instrumentation.
- Easy to use.
- Kennel side/Point of Care test
- No capital expenditure.
- Do not require refrigerated storage.

Why NDV Antigen Test?



- Routine Flock Screening
- Outbreak Investigation
- Vigilance programs and epidemiological studies.

Test Interpretation



Positive



Negative



Invalid

