

RIDX®

NDV Ag Test Kit

Newcastle disease virus (NDV), belongs to the genus *Avulavirus* in the family *Paramyxoviridae* and is the causative agent of Newcastle Disease (ND), a highly contagious disease that primarily affects avian species, particularly domestic poultry. Economic losses are exacerbated by sudden drops in egg production and the production of abnormal eggs.

The RIDX® NDV Ag Test Kit is a lateral flow chromatographic immunoassay for the detection of NDV in poultry within 10 minutes after dropping the sample.

Principal: Chromatographic immunoassay for the qualitative test
Specimen: Avian trachea, spleen, or kidney

Components

- NDV Ag test device (10 tests)
- Sample dilution buffer (10 tubes)
- Disposable swab (10 ea)
- Dropper cap with filter (10 ea)
- Paper rack for standing buffer tubes (1 ea)
- Instructions for use (1 sheet)

Features

Sensitivity 88.24% (15/17) vs. RT-PCR

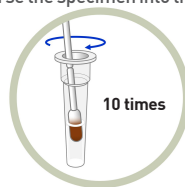
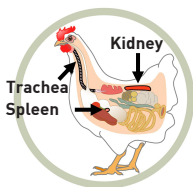
Specificity 100% (16/16) vs. RT-PCR

Limit of Detection $1 \times 10^{4.3}$ EID₅₀/ml

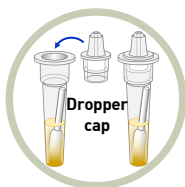
No cross-reactivity with other avian pathogens (AIV, IBDV, IBV, *M. gallisepticum*, and *M. synoviae*)

Test Procedure

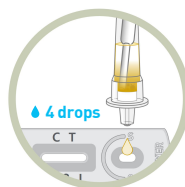
- Using a swab to collect the specimen.
- Place the swab in the dilution buffer tube and stir the solution 10 times to disperse the specimen into the buffer.
- Break the head of the cotton swab and discard the rod.



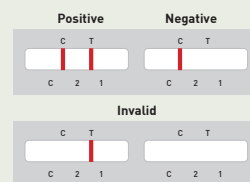
- Attach a dropper cap with the filter to the top of the buffer.



- Apply 4 drops of the sample solution into the sample hole on the device.



- Read the result at 10 minutes.



CAT No.	Description	LIC No.	Type	Package size
LGM-YNG-11	RIDX NDV Ag Test Kit	300-032	LFA*	10 Tests/Kit

* LFA: Lateral flow assay