

# RIDX®

## IBV Ag Test Kit

**Infectious bronchitis virus (IBV)** belongs to the genus *Coronavirus* and is the causative agent of infectious bronchitis (IB), an acute and highly contagious viral disease of chickens. IBV is one of the most damaging pathogens in the poultry industry due to significant losses from reduced growth, decreased egg production, poor egg quality, and biosecurity costs.

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

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

### Components

- IBV 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** 87.50% (14/16) vs. RT-PCR

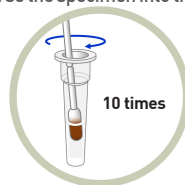
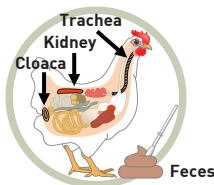
**Specificity** 100% (16/16) vs. RT-PCR

**Limit of Detection**  $5 \times 10^{4.8}$  EID<sub>50</sub>/ml

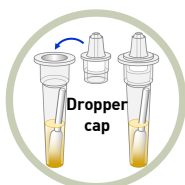
**No cross-reactivity** with other avian pathogens (AIV, IBDV, NDV, *M. gallisepticum*, and *M. synoviae*)

### Test Procedure

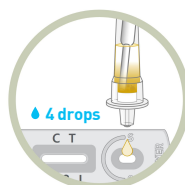
- Using a swab to collect the specimen.
- Place the swab in the dilution buffer tube and stir the solution 10 times to disperse the specimen into the buffer.
- Break the head of the cotton swab and discard the rod.



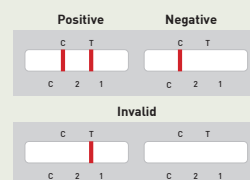
- Attach a dropper cap with the filter to the top of the buffer.



- 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-YBG-11	RIDX IBV Ag Test Kit	300-033	LFA*	10 Tests/Kit

\* LFA: Lateral flow assay