

# AIV + NDV Ag Combined Rapid Test

## 1. INTENDED USE

AIV + NDV Ag Rapid Test is a combined cassette to diagnose the presence of avian influenza virus (AIV Ag) and newcastle disease virus (NDV Ag) in avian secretions.

**Assay Time:** 5 - 10 min

**Sample:** secretions

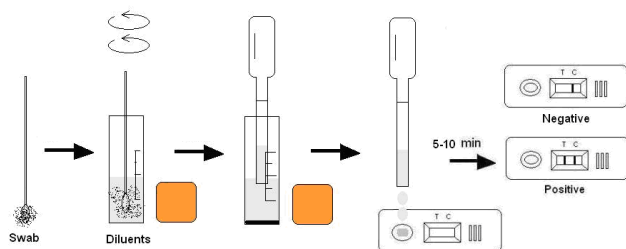
## 2. PRINCIPLE OF THE ASSAY

AIV + NDV Ag Rapid Test is based on sandwich lateral flow immunochromatographic assay. The test device has two testing windows. Each testing window has an invisible T (test) zone and C (control) zone. When sample is applied into the sample hole on the device, the liquid will laterally flow on the surface of the test strip. If there is enough AIV antigen or NDV antigen in the sample, a visible T band will appear in the corresponding testing window. The C band should always appear after a sample is applied, indicating a valid result. By this means, the device can accurately indicate the presence of AIV antigen or NDV antigen in the sample.

## 3. KIT COMPONENT

- 10× foil pouches, each containing one cassette, one pipette and a desiccant
- 10× assay buffer tubes (0.5 ml each)
- 10× swab sticks
- Product Manual

## 4. TEST PROCEDURE

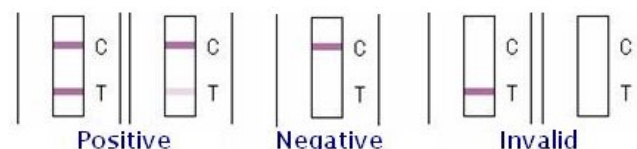


- Insert the swab stick into bird's cloacae to collect the secretions. Please make the swab wet sufficiently.
- Insert the wet swab into the provided assay buffer tube. Agitate it to assure good sample extraction.
- Take out the cassette from the foil pouch and place it horizontally.
- Gradually drip 3 drops each of sample extraction into the

sample holes "S".

- Interpret the result in 5-10 minutes. Result after 10 minutes is considered as invalid.

## 5. INTERPRETATION OF RESULTS



**Positive:** The presence of both C band and T band, no matter T band is clear or vague.

**Negative:** Only clear C band appears.

**Invalid:** No colored band appears in C zone, no matter whether T band appears.

## 6. STORAGE

The kit can be stored at room temperature (2-30°C). The test kit is stable through the expiration date (18 months) marked on the foil pouch. **DO NOT FREEZE.** Do not store the test kit in direct sunlight.

## 7. PRECAUTIONS

- For best results, please strictly adhere to these instructions.
- All reagents must be at room temperature before running the assay.
- Do not remove test cassette from its pouch until immediately before use.
- Do not reuse the test kit.
- Do not use the test beyond its expiration date marked on the foil pouch.
- The components in this kit have been quality control tested as standard batch unit. Do not mix components from different lot numbers.

## 8. LIMITATION

AIV + NDV Ag Rapid Test is for in vitro veterinary diagnosis use only. All results should be considered with other clinical information available with veterinarian. For an accurate result, we suggest you to choose other method such as PCR for final determination in practice.