

Newcastle Disease Virus Antigen Rapid Test

1. INTENDED USE

Newcastle Disease Virus Antigen Rapid Test is a sandwich lateral flow immunochromatographic assay for the qualitative detection of Newcastle Disease Virus (NDV Ag) in avian serum, secretions or spleen.

Assay Time: 5 - 10 min

Sample: secretions

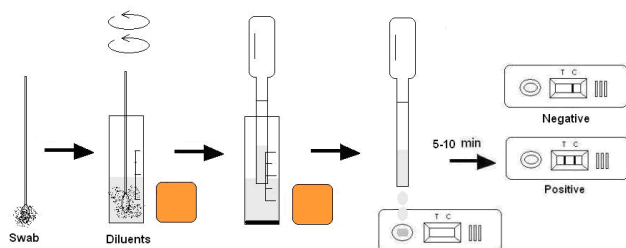
2. PRINCIPLE OF THE ASSAY

Newcastle Disease Virus Ag Rapid Test is based on sandwich lateral flow immunochromatographic assay. The test device has a testing window. The 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 NDV antigen in the sample, a visible T band will appear. 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 Newcastle Disease Virus antigen in the sample.

3. KIT COMPONENT

- 10× foil pouches each contain one cassette with one pipette and a desiccant
- 10× assay buffer tubes (0.5 mL each)
- 10× centrifugal tubes
- 10× swab sticks
- Products Manual

4. TEST PROCEDURE



- Dip the swab stick from the bird's eyes, trachea, cloaca to collect the secretion. Please make the swab wet sufficiently.
- Insert the wet swab into the provided assay buffer tube. Agitate it to assure good sample extraction.
- If using serum sample, please do a dilution of 1:2 with

the provided assay buffer.

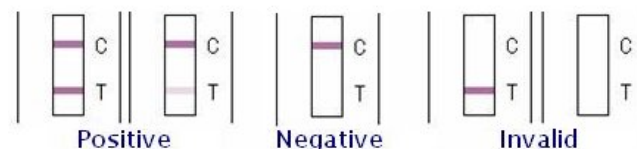
- Take out the cassette from the foil pouch and place it horizontally.
- Gradually drip 3 drops of sample extraction into the sample hole "S".
- Interpret the result in 5-10 minutes. Result after 10 minutes is considered as invalid.

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

Newcastle Disease Virus Antigen 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.