

Newcastle Disease Virus Ag (NDV Ag) Rapid Test

INTENDED USE:

Newcastle Disease Virus Ag (NDV Ag) Rapid Test is a lateral flow immunochromatographic assay for the qualitative detection of Newcastle Disease Virus Ag (NDV Ag).

Sample: secretions or faeces

Assay Time: 5-10 minutes

PRINCIPLE:

This rapid test utilizes a sandwich lateral flow immunochromatographic assay. The test device features a window for observing the test process and interpreting results. Before testing, the window displays invisible T (test) and C (control) zones. When the sample buffer is added to the sample well, it flows across the test strip and reacts with pre-coated reagents. If Newcastle Disease Virus Ag (NDV Ag) is present in the sample, a visible T line will appear. The C line should always appear, indicating a valid test.

REAGENTS AND MATERIALS:

- Test card, with disposable droppers
- Sample buffer
- Sample swab
- Products Manual

STORAGE AND STABILITY:

Store the kit at room temperature (4-30°C). The test kit is stable until the expiration date printed on the package label. DO NOT FREEZE. Avoid direct sunlight.

TEST PROCEDURE:

- Use a swab to collect secretions or feces samples from the bird's eyes, trachea, or cloaca.
- Insert the swab into the buffer tube. Agitate swab to ensure efficient sample extraction.

- Take the test card and place it on a level surface.
- Add 2-3 drops of the sample buffer to the sample well
- Interpret the result within 5-10 minutes. Results after 10 minutes are invalid.

Note: If the liquid does not flow through the test strip within 30 seconds, add another drop of the sample buffer.

INTERPRETATION OF RESULTS:

- Positive (+): Both the "C" line and the "T" line are visible, regardless of the clarity of the "T" line.
- Negative (-): Only the "C" line is visible. The "T" line is absent.
- Invalid: No colored line appears in the "C" zone, regardless of the presence of the "T" line.

PRECAUTIONS:

- All reagents should be at room temperature before use.
- Do not open the test cassette pouch until immediately before use.
- Do not use the test after its expiration date.
- Do not mix components from different lots.
- Handle all specimens as potentially infectious. They should be disposed of according to local regulations.

LIMITATION:

The Newcastle Disease Virus Ag (NDV Ag) Rapid Test is intended for in vitro veterinary diagnostic use only. All results should be considered in conjunction with other clinical information and veterinary expertise. A confirmatory test, such as RT-PCR, is recommended for confirmation.

