

Newcastle Disease Virus Antibody Rapid Test

Catalog No.: JIA411

INTENDED USE

The Newcastle Disease Virus Antibody Rapid Test is a lateral flow immunochromatographic assay for the qualitative detection of Newcastle disease virus antibody (NDV Ab) in avian serum or plasma specimen.

Assay Time: 5-10 minutes

Specimen: serum, plasma

PRINCIPLE

The Newcastle Disease Virus Antibody Rapid Test is based on sandwich lateral flow immunochromatographic assay. The test device has a testing window for the observation of assay running and result reading. The testing window has an invisible T (test) zone and a C (control) zone before running the assay. When the treated sample was applied into the sample hole on the device, the liquid will laterally flow through the surface of the test strip and react with the pre-coated Newcastle disease virus antigens. If there is Newcastle disease virus antibody (NDV Ab) in the specimen, a visible T line will appear. The C line should always appear after a sample is applied, which indicates a valid result. By this means, the device can accurately indicate the presence of Newcastle disease virus antibody (NDV Ab) in the specimen.

REAGENTS AND MATERIALS

- 20 Test devices, with disposable droppers
- 1 Products Manual

STORAGE AND STABILITY

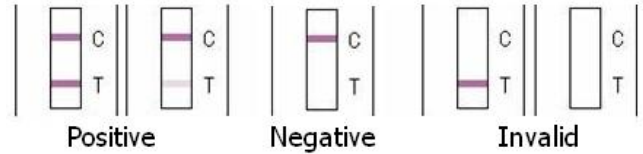
The kit can be stored at room temperature (4-30°C). The test kit is stable through the expiration date (18 months) marked on the package label. **DO NOT FREEZE**. Do not store the test kit in direct sunlight.

TEST PROCEDURE

- Collect the avian fresh whole blood, and get the serum or plasma specimen for use. Immediately apply the testing once collected the specimen.
- Allow all materials, including specimen and test device, recover to 15-25°C before running the assay.
- Take out the cassette from the foil pouch and place it horizontally.
- Place 3 drops of serum or plasma specimen into the sample hole. Start timer and wait for result.

- Interpret the result in 5-10 minutes. Result after 15 minutes is considered as invalid.

INTERPRETATION OF RESULTS



- **Positive (+):** Two red strips (T: detection line, C: quality control line) can be observed in the test card detection window, and they are all judged as positive regardless of line depth. It suggested that the antibody titer of NDV in blood was higher than 1:32.
- **Negative (-):** If only one red strip (C: quality control line) is observed in the test card detection window, it is judged as negative. It suggested that the antibody titer of NDV in blood was lower than 1:32.
- **Invalid:** No red strip appears at the quality control line (C) in the test strip card detection window. No matter whether there is detection line (T), it is judged as invalid result. For invalid results, it is recommended to repeat the detection process.

PRECAUTIONS

- 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 use the test beyond its expiration date.
- The components in this kit have been quality control tested as standard batch unit. Do not mix components from different lot numbers.
- All specimens are of potential infection. It must be strictly treated according to the rules and regulations by local states.

LIMITATION

- Newcastle Disease virus antibody test strip card only provides a qualitative method to detect the level of Newcastle disease virus antibody in serum, and cannot provide the definitive amount of data. If you need data results, use other quantitative data detection methods.
- The detection results of the NDV antibody detection dipstick can only indicate whether there is a certain level

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of NDV antibody in the animal, but cannot distinguish whether the antibody is produced by vaccination or after infection with NDV wild virus. We recommend that clinically suspected cases of NDV infection be referred to a professional veterinary diagnostic laboratory for comprehensive testing.



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