

Instructions for Use

Version: 1.0.1

Revision date: 15-Oct-25

Newcastle Disease Virus Antibody Rapid Test Kit

Catalog No.: abx092029

Size: 40 tests

Storage: Store all reagents at 4 – 30°C. Keep dry.

Application: For qualitative detection of Newcastle Disease Virus Antibody in Chicken serum samples.

Introduction and Assay Principle

Abbexa's Newcastle Disease Virus Antibody Rapid Test Kit is based on the competitive gold immuno-chromatography assay (GICA) principle. Any Newcastle Disease Virus Antibody present in the samples combines with the colloidal gold particle-labelled Newcastle Disease Virus antigen, preventing the Newcastle Disease Virus Antibody from binding to immobilized Newcastle Disease Virus antigen at the detection line. When the concentration of Newcastle Disease Virus Antibody in the sample is more than the detection limit, there is no color change in the detection line and the result is positive. When the concentration of Newcastle Disease Virus Antibody in the sample solution is less than the detection limit, there is a color change in the detection line and the result is negative.

Kit Components

- Test cassettes with pipettes
- Sample Diluent

Material Required But Not Provided

- Timer

A. Sample preparation

The following sample preparation methods are intended as a guide and may be adjusted as required depending on the specific samples used.

Serum: Serum samples should be collected using conventional methods and stored between 2 – 8°C for short-term storage (up to 1 week) or -20°C for long-term storage. Ensure samples are at room temperature before use.

Note:

- Fresh samples or recently obtained samples are recommended to prevent degradation and denaturalization that may lead to erroneous results.
- Avoid repeated freeze/thaw cycles, bacterial pollution, visible particles; and avoid cloudy, hemolytic, lipaemic, or viscous samples.

B. Assay procedure

1. Take a test cassette and lay it flat on a clean table. Using the provided pipette, slowly and vertically add 1 drop (approximately 30 µl) sample to the sample (S) well on the test cassette. Avoid foaming.

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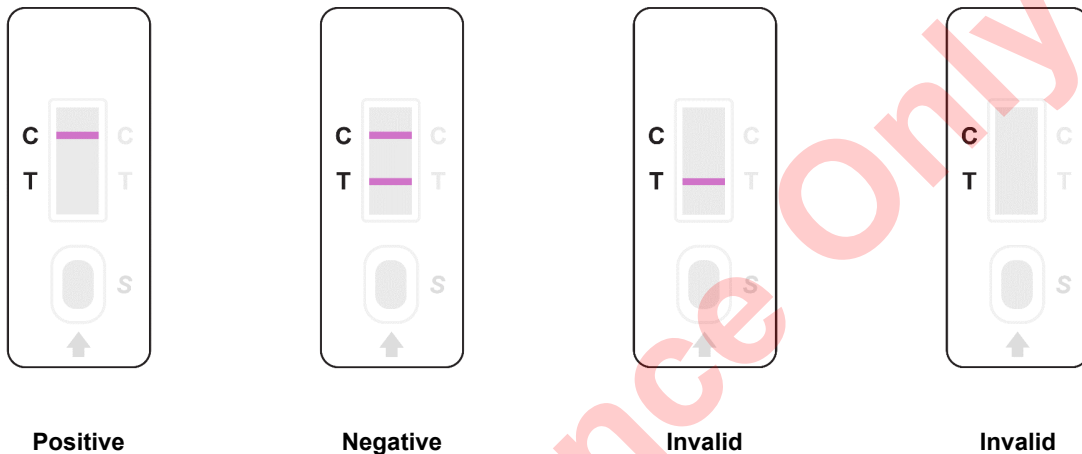
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2. Add 2 drops of sample diluent.
3. Leave at room temperature for 10 – 15 minutes, then analyze the result.

C. Results analysis

- **Positive result:** A colored line is observed in the control (C) section but not the test (T) section.
- **Negative result:** A colored line is observed in both the control (C) section and the test (T) section.
- **Invalid result:** No colored line is observed in the control (C) section.



Notes

1. The test cassettes should be brought to room temperature before use.
2. After opening the aluminum foil, use the test cassette as soon as possible.
3. Samples should be clear with no visible particles, turbidity, or bacterial pollution.
4. Do not mix or re-use pipettes to avoid cross-contamination.
5. Do not use water, PBS, or similar solutions as the negative control.
6. Avoid touching the cassette membrane through the sample well or test result window.
7. This kit is for qualitative detection of Newcastle Disease Virus Antibody in Chicken serum samples. For other sample types, a preliminary experiment is recommended to determine compatibility with this kit.
8. This kit is for research use only and the results are for reference only.
9. All waste should be disposed of appropriately. Please note that you may need to follow special waste disposal procedures for infectious samples. Please check local disposal regulations.

Technical Support

For troubleshooting and technical assistance, please contact us at support@abbexa.com.