

Instructions for UseRevision date: 27-Nov-20

Chicken Infectious Bursal Disease Virus Antigen Rapid Test Kit**Catalog No.:** abx092114**Size:** 50 tests**Storage:** Store all reagents at 2-30 °C. Keep dry.**Application:** For qualitative detection of Infectious Bursal Disease Virus Antigen in chicken excrement or laryngotracheal secretions.**Introduction and assay principle**

Abbexa's Infectious Bursal Disease Virus Antigen Rapid Test Kit is a qualitative lateral flow immunochromatographic assay for the detection of Infectious Bursal Disease Virus (IBDV) Antigen in chicken samples. The cassette contains a colloidal gold conjugated antibody against IBDV, which combines with any IBDV antigen present in the samples. The complex binds with the antibody coated on the test region of the cassette. A colored band develops within 20 minutes in the test region if the concentration of IBDV antigen in the sample is higher than the detection limit. A control region on the upper end of the cassette confirms if the test has been successful.

Kit components

- Test cassettes (packaged in foil pouches containing disposable pipettes): 50
- Sample diluent: 50 vials
- Cotton swabs: 50

Sample preparation – Bursa of Fabricus

1. Dissect the chicken to find the bursa of Fabricus near the rectum.
2. Cut the bursa from the middle using scissors.
3. Repeatedly wipe the inside of the bursa of Fabricus with provided cotton swab.
4. Immediately insert the cotton swab into a tube containing Sample Diluent. Rotate the swab repeatedly and press tightly on the wall of the tube at least 10 times. Stir until the sample has completely dissolved. Press the swab against the inside of the tube so that any remaining liquid is squeezed out, then discard the swab.

Sample preparation – Cloaca

1. Repeatedly wipe the inside of the cloaca with provided cotton swab.
2. Immediately insert the cotton swab into a tube containing Sample Diluent. Rotate the swab repeatedly and press tightly on the wall of the tube at least 10 times. Stir until the sample has completely dissolved. Press the swab against the inside of the tube so that any remaining liquid is squeezed out, then discard the swab.

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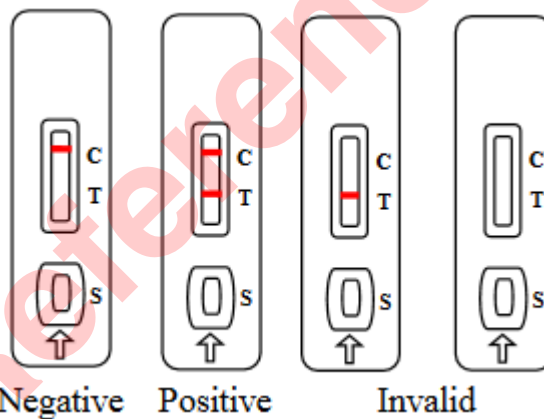
- If the particles in the feces are relatively large, allow the tube to stand for 1-2 min to let the particles precipitate.

Assay procedure

- Take a test cassette and lay it flat on a clean table. Using the provided pipette, slowly add 5 drops of prepared sample to the sample well on the test cassette. Avoid touching the membrane in the middle of the sample well, and avoid foaming. **Note:** adding excessive sample or buffer may lead to invalid results.
- Leave at room temperature for 15-20 min, then analyze the result. The result is invalid if read after 30 min.

Results analysis

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



Notes

- The test cassettes and reagents should be brought to room temperature before use.
- After opening the aluminum foil, use the test cassette as soon as possible.
- Samples should be clear with no visible particles, turbidity or bacterial pollution.
- Do not mix or re-use the disposable pipettes to avoid cross-contamination.
- Do not use water, PBS or serum from other animals as the negative control.
- Avoid touching the cassette membrane through the sample well or test result window.
- This kit is for qualitative detection of IBDV antigen in chicken samples. It cannot distinguish between the different IBDV subtypes.
- This kit is for research use only and the results are for reference only. It is recommended to use this kit in conjunction with another detection method.