

**Avian Infectious Bursal Disease Virus Antigen Rapid Test**

**Catalog No:** E-AD-C038

40T

This manual must be read attentively and completely before using this product.

If you have any problems, please contact our Technical Service Center for help.

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Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Website: [www.vetassay-elab.com](http://www.vetassay-elab.com)

Please kindly provide us the lot number (on the outside of the box) of the kit for more efficient service.

## Test principle

This kit uses the principle of Immunochromatography assay for the qualitative detection of a chicken infectious bursal disease virus antigen in fecal and secretions from the inner wall of bursae of chicken sample. The sample will move together with the colloidal gold marker along the chromatography membrane. If infectious Bursal Disease Virus (IBDV) antigen exist in the samples, it will combine with the colloidal gold marker to make the detection line appear a color. Otherwise, it will not show the color reaction.

## Kit components

Item	Specification
Detection Card (with disposable dropper)	40T
Sample Diluent	40 vials
Cotton Swab	1 package (40)
Manual	1 copy

Note: All reagent bottle caps must be tightened to prevent evaporation and microbial pollution.

## Notes

1. Please read the manual carefully before use, changes of operation may result in unreliable results.
2. Do not use product out of date or in a broken aluminum foil, it is disposable and cannot be used repeatedly.
3. The detection card should be brought to room temperature before opening after take it out from the refrigerator. The opening detection card should be used as soon as possible.
4. Please do not use but not limited to the following liquids for negative control: water, PBS.
5. The tested sample should be fresh and clear. Avoid of using samples of turbidity, polluted, high hemolysis or abnormal viscous.
6. Avoid of touching the chromatography membrane of the sample well and test well.
7. The waste of experiment should be considered as contaminant, and must be properly handled according to the local regulations.
8. Each reagent is optimized for use in the E-AD-C038. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-AD-C038 with different lot numbers.

## Storage and expiry date

**Storage:** Store at 2-30°C. With cool and dry environment, avoid freeze.

**Expiry date:** expiration date is on the packing box.

## Sample preparation

- (1) **Fecal:** Gently collect animal feces with a cotton swab (not too much collection, covering the tip of the cotton swab 1/3-2/3).
- (2) **Secretions from the inner wall of bursae:** Dissection the animal to be tested, find the bursa of Fabricius near the rectum, cut the bursa of Fabricius in the middle with scissors, and wipe the inner wall of the cut bursa repeatedly with the cotton swab provided.
- (3) After the sample is collected, the test is carried out within 1 hour.

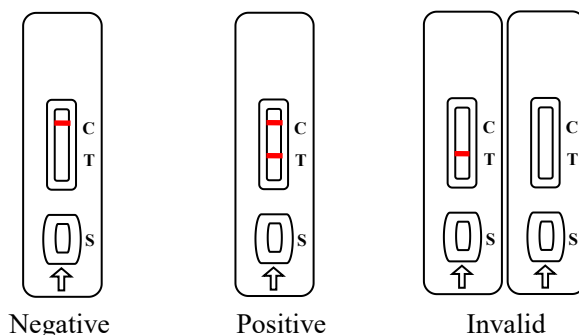
## Assay procedure

Allow all kit components and sample to reach room temperature (20-30°C) prior to testing.

1. Tear the aluminum foil bag of the detection card and take out the detection card, and put it on a smooth, clean table.
2. Insert the cotton swab of the collected sample into the **Sample Diluent**, stir for 10-15 seconds, rotate the **cotton swab** repeatedly and forcefully on the tube wall for 8-10 times, and mix the solution, so that the sample is dissolved in the buffer as much as possible, and let it stand for 1 minute after full mixing, waiting for precipitation and take the clarified supernatant with a **dropper**.
3. Take the prepared sample with the matching disposable dropper, add 3 drops (about 90 µL) of prepared sample supernatant to the sample well (S) vertically and slowly. (Avoid foaming)
4. Incubate for 5-10 minutes and then judge the results immediately.

## Judgment of result

1. **Negative:** Only the control line region (C) shows a line in the observation well.
2. **Positive:** Both the test line region (T) and the control line region (C) show a line in the observation well.
3. **Invalid:** No line shows in the observation well of the control line region (C).



### **Interpretation of the results**

1. The negative result reveals that there is no IBDV antigen in the sample. If there is a corresponding acute symptom, then IBDV infection cannot be excluded.
2. The positive result reveals that there is IBDV antigen in the sample. It might be infected with IBDV, and the result should be combined with other methods to analyze.

### **Limitations**

1. This kit can only be used for qualitative detection of IBDV common antigen in chicken.
2. The detection results of this kit are only for reference. For confirmation of the result, please combine the symptoms and other methods of detection, this detection cannot be used as the only criteria for result.