

**Instructions for Use**

Version: 1.0.1  
Revision date: 21-Oct-21

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**Avian Influenza Virus Antibody Rapid Test Kit**

**Catalog No.:** abx092028

**Size:** 40 tests

**Storage:** Store all reagents between 2-30 °C. Keep dry.

**Application:** For qualitative detection of Avian Influenza Virus Antibody in poultry serum and plasma samples.

**Introduction and assay principle**

Abbexa's Avian Influenza Virus Antibody (Anti-AIV) Rapid Test Kit is a qualitative competitive lateral flow immunochromatographic assay for the detection of Avian Influenza Virus Antibody in poultry serum and plasma samples. The cassette contains Avian Influenza Virus antigen conjugated to a colloidal gold marker. The colloidal gold-conjugated antigen competes with the antibody coated on the test region of the cassette and any Avian Influenza Virus Antibody present in the sample. A colored band develops within 10 minutes in the test region if the concentration of Avian Influenza Virus Antibody in the sample is lower 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 with pipettes: 40
- Buffer solution: 1 vial

**Material Required But Not Provided**

- High-precision pipette and sterile pipette tips
- Timer

**Sample preparation**

Serum and plasma samples should be collected using conventional methods. Fresh samples are recommended. Samples should be stored between 2-8 °C for short-term storage (up to 1 week) or -20 °C for long-term storage. Avoid repeated freeze/thaw cycles, bacterial pollution, visible particles; and avoid cloudy, hemolytic, or viscous samples.

**Assay procedure**

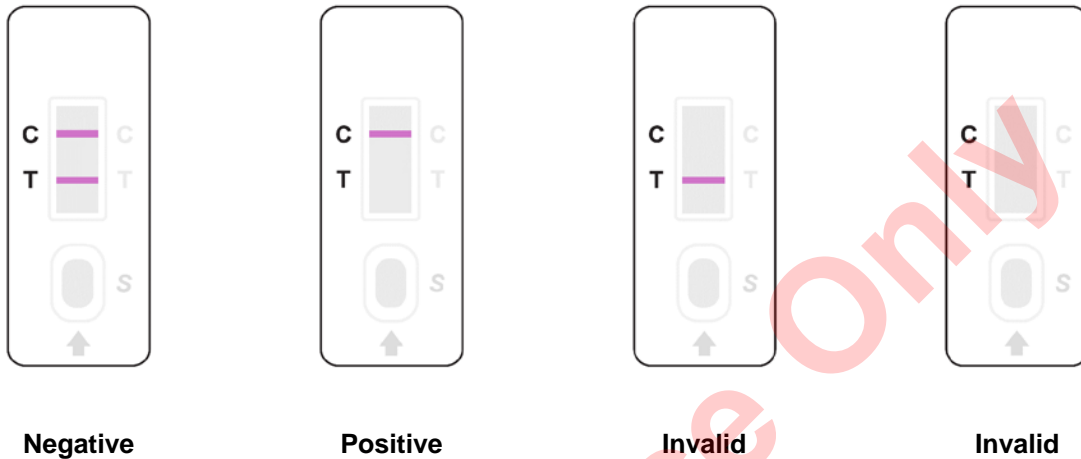
1. Take a test cassette and lay it flat on a clean table.
2. Using the provided disposable pipette, slowly add 1 drop (approximately 25 µl) of serum/plasma sample to the sample well. Avoid foaming or bubbles.
3. Leave at room temperature for 10 minutes.
4. Add 2 drops (approximately 60 µl) of Buffer Solution to the sample well.
5. Leave at room temperature for 10-15 minutes, then analyze the result.

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### Results analysis

- **Negative result:** A colored line is observed in both the control (C) section and the test (T) section.
- **Positive result:** A colored line is observed in the control (C) section but not 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 the disposable 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 Avian Influenza Virus Antibody in poultry serum or plasma samples. Suitability for other sample types would need to be determined by the end user.
8. 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.
9. All waste should be disposed appropriately. Please note that you may need to follow special waste disposal procedures for infectious samples. Please check local disposal regulations.