

## Avian Influenza H5 Virus Rapid Test Kit

**Catalog No.:** abx092014

**Size:** 40 tests

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

**Application:** For qualitative detection in poultry cloacal or tracheal secretions.

### Introduction and assay principle

Abbexa's Avian Influenza H5 Virus Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Avian Influenza H5 Virus present in the samples combines with the colloidal gold particle-labelled Avian Influenza H5 Virus antibody. When the concentration of Avian Influenza H5 Virus in the sample is more than the detection limit, there is a color change in the detection line and the result is positive. When the concentration of Avian Influenza H5 Virus in the sample is less than the detection limit, there is no color change in the detection line and the result is negative.

#### Kit Components

- Test cassettes with pipettes: 40
- Sample diluent: 40 vials
- Cotton swabs: 1 pack

#### Material Required But Not Provided

- Timer

### Sample preparation

Take approximately 0.1 g or 100 µl of poultry cloaca or tracheal secretion using a cotton swab. For young birds, the cotton swab can also be dipped into fresh feces. Immediately insert the swab into a sample diluent vial. Stir the swab against the diluent vial 10 times until the sample has dissolved completely. Carefully wipe the swab against the inside wall of the sample diluent vial, then discard the swab. Allow the mixture to stand for 1-2 minutes.

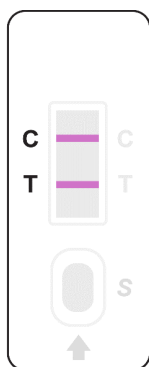
**Note:** Ensure that sufficient sample is collected; insufficient sample may lead to false negative results. Avoid contamination as this can lead to false positive results. Avoid taking excessive excrement samples as this may cause black bands to appear, which will affect the assay.

### Assay procedure

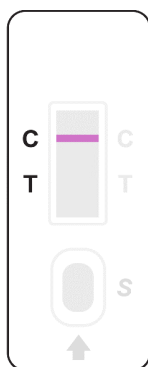
1. Take a test cassette and lay it flat on a clean table. Using the provided pipette, slowly and vertically add 5 drops of sample to the sample well on the test cassette. Avoid foaming.
2. Leave at room temperature for 10-15 min, then analyze the result.

## Results analysis

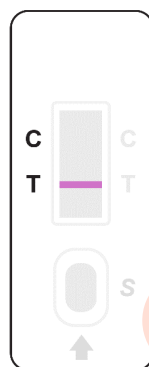
- **Positive result:** A colored line is observed in both the control (C) section and the test (T) section.
- **Negative result:** A colored line is observed in the control (C) section but not the test (T) section.
- **Invalid result:** No colored line is observed in the control (C) section.



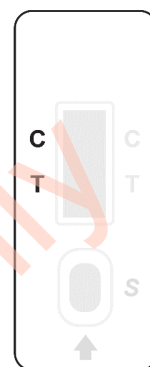
**Positive**



**Negative**



**Invalid**



**Invalid**

## 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, hemolysis, 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 H5 Virus in poultry cloacal or tracheal secretions. 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. 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.