

Instructions for Use

Version: 1.0.1
Revision date: 23-Aug-22

Avian Influenza H7 Virus Antigen Rapid Test Kit

Catalog No.: abx092017

Size: 40 tests

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

Application: For qualitative detection in poultry feces and esophageal secretions.

Introduction and assay principle

Abbexa's Avian Influenza H7 Virus Antigen Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Avian Influenza H7 Virus Antigen present in the samples combines with the colloidal gold particle-labelled Avian Influenza H7 Virus Antigen antibody. When the concentration of Avian Influenza H7 Virus Antigen 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 H7 Virus Antigen in the sample solution 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: 40

Material Required But Not Provided

- Timer

Sample preparation

Take a sample of poultry feces or esophageal secretion using a cotton swab. Immediately insert the swab into a sample diluent vial. Stir 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.

Assay procedure

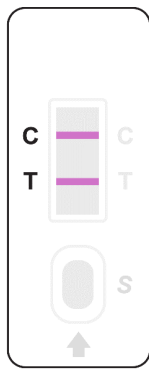
1. Take a test cassette and lay it flat on a clean table. Using the provided pipette, slowly and vertically add 2-3 drops (approximately 60 µl) of diluted sample to the sample well on the test cassette. Avoid foaming.
2. Leave at room temperature for 10-15 min, then analyze the result.

Results analysis

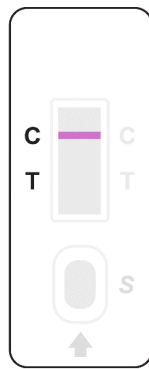
- **Positive result:** A colored line is observed in both the control (C) section and the test (T) section.
- **Negative result:** A colored line is observed in the control (C) section but not the test (T) section.
- **Invalid result:** No colored line is observed in the control (C) section.

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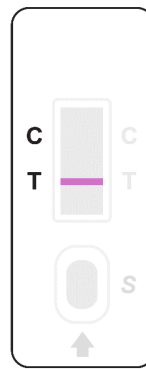
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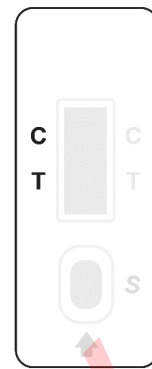
Positive



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 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 H7 Virus Antigen in poultry 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. 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.