

Instructions for Use

Version: 1.0.1

Revision date: 29-Jan-25

Avian Influenza H5N1 Virus Rapid Test Kit

Catalog No.: abx092075

Storage: Store all reagents at 2 – 30°C. Keep dry. Do not freeze.

Size: 40 tests

Application: For qualitative detection of Avian Influenza H5N1 Virus in poultry samples.

Introduction and assay principle

Abbexa's Avian Influenza H5N1 Virus Rapid Test Kit is a lateral flow immunoassay which can detect H5N1 Virus antigens. The test is based on the gold immuno-chromatography assay (GICA) principle. Any H5N1 antigen present in the samples combines with the colloidal gold particle-labelled Avian Influenza H5N1 Virus antibody. When the concentration of Avian Influenza H5N1 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 H5N1 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 capillary tube)
- Sample diluent
- Cotton swabs

Material Required But Not Provided

- Timer
- Paper towel (or similar)
- Soap and clean water

Sample preparation

- Samples should be taken by inserting a clean cotton swab into the trachea or cloaca of the bird and rotating gently against the inner wall. Fresh fecal samples can also be tested using this kit. Once collected, immediately insert the cotton swab into the test tube containing the sample buffer and place the swab on the wall of the test tube. Rotate vigorously and repeatedly at least 10 times, and mix the solution. Press the cotton swab firmly on the wall of the test tube above the liquid level. Remove and discard the swab and let stand for 1 – 2 minutes to allow any large particles to precipitate.

Assay procedure

1. Take a test cassette and lay it flat on a clean table.
2. Add 5 drops of sample to the sample well using the straw provided. Keep the straw vertical throughout the process.
3. Leave at room temperature for 10 – 15 min, then analyze the result.

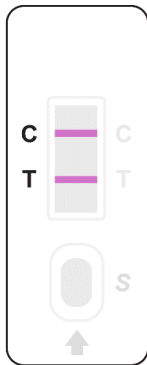
Instructions for Use

Version: 1.0.1

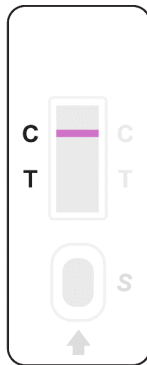
Revision date: 29-Jan-25

Results analysis

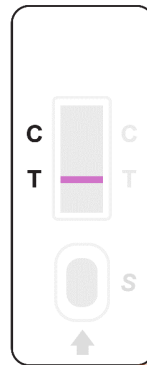
- **Positive result:** A colored line is observed in both the control (C) section and the test (T) section.
- **Negative result:** A colored line is observed in the control (C) section but not the test (T) section.
- **Invalid result:** No colored line is observed in the control (C) section.



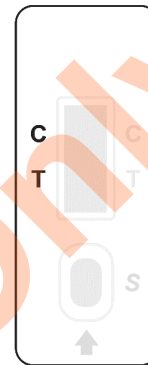
Positive



Negative



Invalid



Invalid

Notes

1. The test cassettes and samples should be brought to room temperature before use.
2. After opening the aluminum foil, use the test cassette as soon as possible. Do not use the product after its expiry date or if the foil is damaged.
3. Samples should not be turbid, hemolyzed, or abnormally viscous.
4. Do not use water, PBS or other liquids as a negative control.
5. Avoid touching the cassette membrane through the sample well or test result window.
6. 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.
7. All waste should be disposed of appropriately. Please note that you may need to follow special waste disposal procedures for infectious samples. Please check local disposal regulations.