

## Instructions for Use

Version: 2.0.1  
Revision date: 28-Mar-22

### Avian Leukosis Virus Antigen Rapid Test Kit

**Catalog No.:** abx092128

**Size:** 40 tests

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

**Application:** For qualitative detection in poultry cloacal orifices.

#### Introduction and assay principle

Abbexa's Avian Leukosis Virus Antigen Rapid Test Kit is a qualitative lateral flow immunochromatographic assay for the detection of Avian Leukosis Virus P27 (ALV-P27) Antigen in poultry samples. The cassette contains a colloidal gold conjugated antibody against ALV-P27, which combines with any ALV-P27 antigen present in the samples. The complex binds with the antibody coated on the test region of the cassette. A colored band develops within 15 minutes in the test region if the concentration of ALV-P27 antigen in the sample is higher 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
- Sample diluent: 40 vials
- Cotton swabs: 40

#### Material Required But Not Provided

- Timer

#### Sample preparation

- **Cloacal orifices:** Take a sample from a cloaca 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 for at least 1 minute.

#### Assay procedure

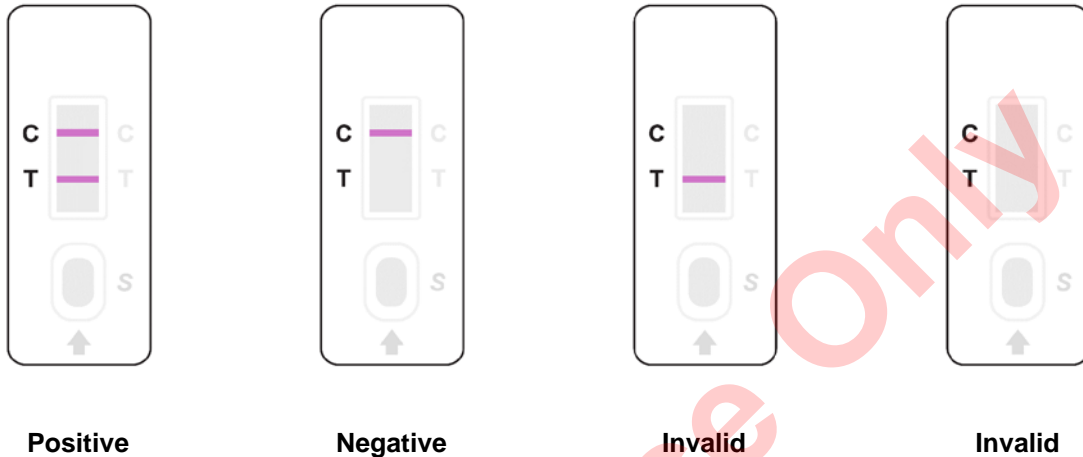
1. Take a test cassette and lay it flat on a clean table. Using the provided pipette, slowly and vertically add 5 drops (approximately 100 µl) of diluted sample to the sample well on the test cassette. Avoid foaming.
2. Leave at room temperature for 10-15 min, then analyze the result.

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### 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.



### 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 Leukosis Virus Antigen in poultry samples.
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.