

Avian Leukosis virus Antigen Lateral Flow Assay Kit

Catalog No: E-AD-C054

40T

This manual must be read attentively and completely before using this product.

If you have any problems, please contact our Technical Service Center for help.

Phone: 240-252-7368(USA) Fax: 240-252-7376(USA)

Email: techsupport@elabscience.com

Website: www.vetassay-elab.com

Please kindly provide us the lot number (on the outside of the box) of the kit for more efficient service.

Test principle

This kit applies the principle of Immunochromatography assay. The sample will move together with the colloidal gold marker along the chromatography membrane. If Avian Leukosis virus P27 (ALV-P27) antigen exist in the samples, it will combine with the colloidal gold marker to make the detection line appear a color. Otherwise, it will not show the color reaction.

Kit components

Item	Specification
Detection Card (with pipette)	40T
Sample Diluent	40 vials
Cotton Swab	1 package
Manual	1 copy

Notes

1. FOR RESEARCH USE ONLY. Please read the manual carefully before use, changes of operation may result in unreliable results.
2. Do not use product out of date or in a broken aluminum foil, it is disposable and cannot be used repeatedly.
3. The detection card should be brought to room temperature before opening after take it out from the refrigerator. The opening detection card should be used as soon as possible.
4. Please do not use but not limited to the following liquids for negative control: water, PBS.
5. The tested sample should be fresh and clear. Avoid of using samples of turbidity, polluted, high hemolysis or abnormal viscous.
6. Avoid of touching the chromatography membrane of the sample well and test well.
7. The waste of experiment should be considered as contaminant, and must be properly handled according to the local regulations.
8. Each reagent is optimized for use in the E-AD-C054. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-AD-C054 with different lot numbers.

Storage and expiry date

Storage: Store at 2-30°C. With cool and dry environment, avoid freeze.

Expiry date: expiration date is on the packing box.

Sample preparation

1. Take a sample from a cloaca with the cotton swab.
2. Immediately, insert the cotton swab into a sample tube containing the **Sample Diluent**, stir the swab until the sample is dissolved into the diluent fully. Discard the cotton swab after wiping it against the wall of the tube, wait 1 minute for the large particles to settle.
3. Make sample solution stand for later use.

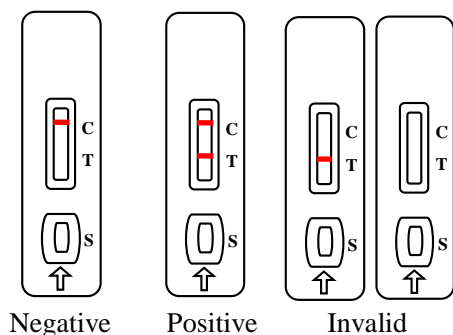
Assay procedure

Allow all kit components and sample to reach room temperature prior to testing.

1. Tear the aluminum foil bag of the detection card and take out the detection card, and put it on a smooth, clean table.
2. Take the sample supernatant with the pipette, add 5 drops (about 100 μL) of sample to the sample well (S) vertically and slowly.
3. Incubate for 15 to 20 minutes and then judge the results immediately.

Judgment of result

1. **Negative:** Only the control line region (C) shows a line in the observation well.
2. **Positive:** Both the test line region (T) and the control line region (C) show a line in the observation well.
3. **Invalid:** No line shows in the observation well of the control line region (C).



Interpretation of the results

1. The negative result reveals that there is no ALV antigen in the sample. If there is a corresponding acute symptom, then ALV infection cannot be excluded.
2. The positive result reveals that there is ALV antigen in the sample. It might be infected with ALV, and the result should be combined with other methods to analyze.

Limitations

1. This kit can only be used for qualitative detection of ALV antigen in poultry.
2. The detection results of this kit are only for reference. For confirmation of the result, please combine the symptoms and other methods of detection, this detection cannot be used as the only criteria for result.