

Canine Coronavirus Antigen Lateral Flow Assay Kit

Catalog No: E-AD-C045

40T

Version Number:	V1.0
Replace version:	/
Revision Date:	2025.07.16

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.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Email: techsupport@elabscience.com

Website: www.elabscience.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 Colloidal Gold Immunochromatography assay. The sample will move together with the colloidal gold marker along the chromatography membrane. If Coronavirus Antigen exist in the samples, it will combine with the colloidal gold marker and the antibodies in the detection line, then it will show a color. Otherwise, it will not show the color reaction.

Kit components

Item	Specification
Detection Card (with a 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 Do not use product out of date or in a broken aluminum foil, it is disposable and cannot be used repeatedly.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-C045. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-AD-C045 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

Use a swab to collect canine feces, rectal secretions, or vomitus. Immediately insert the swab into a sample tube containing diluent. Vigorously stir the swab until all material on the swab head is dissolved into the diluent. Squeeze the swab against the inner wall of the tube to remove residual liquid before discarding the swab. Allow the sample solution to stand for later use.

Note: Excessive sample volume may compromise the stability of colloidal gold particles and cause

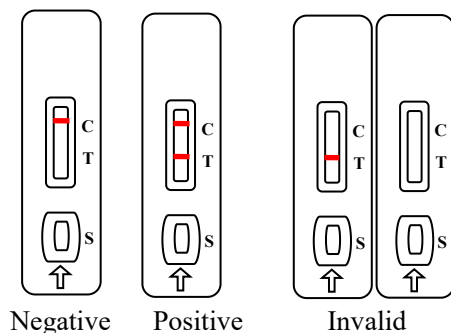
false positives or other adverse effects. The optimal sample volume should cover 1/3 to 2/3 of the swab head.

Assay procedure

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 prepared sample with the matching pipette, add 3 drops (about 75 μL) of clear sample solution to the sample well (S) vertically and slowly (Avoid foaming).
3. Incubate for 5 to 10 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.
1. **Positive:** Both the test line region (T) and the control line region (C) show a line in the observation well.
2. **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 Coronavirus Antigen in the sample. If there is a corresponding acute symptom, then CV infection cannot be excluded.
2. The positive result reveals that there is Coronavirus Antigen in the sample. It might be infected with CV, and the result should be combined with other methods to analyze.

Limitations

This kit can only be used for qualitative detection of CV antigen in canine feces, rectal secretions, or vomitus