

Cattle and Goat Hydatid Antibodies Lateral Flow Assay kit

Catalog No: E-AD-C032

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.

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

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. The sample will move together with the colloidal gold marker along the chromatography membrane. If Cattle and Goat Hydatid (HD) antibody exist in the samples, it will combine with the colloidal gold marker and the antigen in the detection line, then it will show a purple color. Otherwise, it will not show the color reaction.

Kit components

| Item | Specification |
|--------------------------------|---------------|
| Detection card(with pipette) | 40T |
| Buffer Solution | 40 vials |
| 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 Do not use product out of date or in a broken aluminum foil, it is disposable and cannot be used repeatedly.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-C032. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-AD-C032 with different lot numbers.

Storage and expiry date

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

Expiry date: expiration date is on the packing box.

Sample preparation

1. **Serum/ plasma:** Use the conventional method to prepare serum/plasma, the serum/plasma must be clear, no hemolysis and no pollution. Samples can be conserved at 2~8℃ in 1 weeks, and it should be stored at - 20℃ for a long term storage.
2. The use of hemolytic, lipaemic, icteric or bacterially contaminated samples should be avoided. Erroneous result may occur.

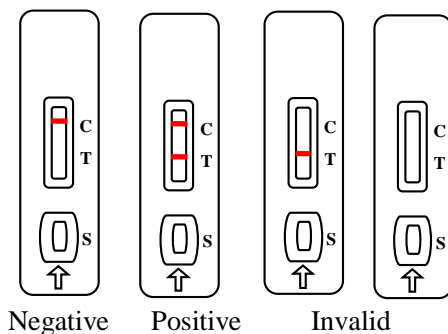
Experiment procedure

Allow all kit components and sample to reach room temperature (25 ℃) prior to testing.

1. Take out the detection card and put it on a clean table. Add 2-3 drops (about 60 μL) of **Serum/ plasma** to the sample well.
2. Incubate for 10 to 15 minutes and then judge the results immediately.

Judgment of result

1. **Negative:** Only the control line region (C) shows a purple line in the observation well.
1. **Positive:** Both the test line region (T) and the control line region (C) show a purple line in the observation well. The higher the titer of CGH antibody is, the deeper the color of the test line region (T) will be.
2. **Invalid:** No purple 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 Hydatid antibody in the sample.
2. The positive result reveals that there is Hydatid antibody in the sample.

Limitations

This kit can be only used for qualitative detection of HD antibodies in cattle, goat and sheep samples. A rough estimate (high, general, low) of the antibody concentration can be calculated according to the color shade of the detection line.