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Brucellosis Antibodies Lateral Flow Assay Kit
Catalog No: E-AD-C029
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.

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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 Brucellosis 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 color. Otherwise, it will not show the color reaction.

Kit components

Item	Specification
Detection Card (with disposable dropper)	40T
Buffer Solution	40 vials
Disposable Dropper	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 Do not use product out of date or in a broken aluminum foil, it is disposable and cannot be used repeatedly.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-C029. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-AD-C029 with different lot numbers.**

Storage and expiry date

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

Expiry date: expiration date is on the packing box.

Sample preparation

1. **Serum:** Use the conventional method to prepare serum, the serum must be clear, no hemolysis and no pollution. Samples can be conserved at 2-8℃ in 1 week, and it should be stored at - 20℃ for a long term storage.
2. **Milk sample:** Collect fresh milk sample for detection.

Assay procedure

Allow all kit components and sample to reach room temperature (25℃) 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 with the disposable dropper, add 1 drop of **Serum** sample or 2 drops of **Milk sample** to the **Buffer Solution** and mix fully.
3. Add 3 drops (about 60 μL) of the mixture solution (Step 2) to the sample well (S) for detection vertically and slowly (avoid foaming).
4. 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 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).

Negative   Positive   Invalid

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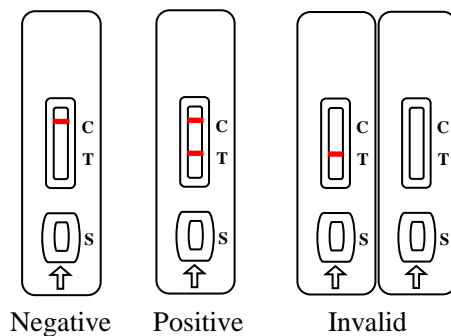
Interpretation of the results

1. The negative result reveals that there is no Brucellosis antibody in the sample. If there is a corresponding acute symptom, then BC infection cannot be excluded.

2. The positive result reveals that there is Brucellosis antibody in the sample, and the result should be combined other methods to analyze.

Limitations

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