

Canine Brucellosis Antibodies Lateral Flow Assay Kit

Catalog No: E-AD-C097

40T

Version Number: V1.4
Replace version: V1.3
Revision Date: 2025.08.27

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 uses the principle of Immunochromatography assay for the qualitative detection of Brucellosis antibody in serum, milk of animal. The sample will move together with the colloidal gold marker along the chromatography membrane. The target antibody in the sample specifically binds to the Brucellosis antigen. Therefore, when the sample being tested contains antibodies against Brucellosis (BC), two lines will appear. Conversely, if the sample does not contain Brucellosis (BC) antibodies, only the control line will be visible.

Kit components

Item	Specification
Detection Card (with a dropper)	40T
Buffer Solution	40 vial
Manual	1 copy

Note: All reagent bottle caps must be tightened to prevent evaporation and microbial pollution.

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 Do not use product out of date or in a broken aluminum foil, it is disposable and cannot be used repeatedly.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-C097. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-AD-C097 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. **Serum:** 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°C in 1 weeks, and it should be stored at - 20°C for a long term storage.
2. **Milk:** Collect fresh milk and ensure that samples are free from spoilage and heating.

Assay procedure

Allow all kit components and sample to reach room temperature (25°C) 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.

Serum:

Using a dropper, add 1 drop of the **serum** sample into the sample tube containing the diluent (**Buffer Solution**). Then, tighten the cap and mix by inverting the tube up and down. After mixing, vertically add 3 drops of the mixture into the sample well (S).

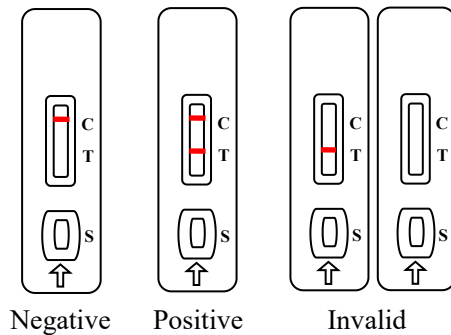
Milk

Using a dropper, add 1 drop of the **milk** sample into the sample tube containing the diluent (**Buffer Solution**). Then, tighten the cap and mix by inverting the tube up and down. After mixing, vertically add 3 drops of the mixture into the sample well (S).

- (2) Incubate for 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).



Limitations

1. This kit can only be used for qualitative detection of BC antibody of serum and milk.
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.