

**Canine Leptospira IgM Lateral Flow Assay Kit**

**Catalog No:** E-AD-C079

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](mailto:techsupport@elabscience.com)

Website: [www.vetassay-elab.com](http://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 the antigen along the chromatography membrane. If canine leptospira IgM antibody exist in the samples, it will captured by anti-IgM antibody on the test line, and 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	3 vials
Manual	1 copy

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

## Notes

1. Please read the manual carefully before use. All kinds of reagents provided in this kit are only for this experiment.
2. Do not use product out of date or in a broken aluminum foil.
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. Do not use water, PBS or serum of other animals or other 'not required by sample' liquid as the negative control.
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. If the samples are not indicated in the manual, a preliminary experiment to determine the validity of the kit is necessary.
9. **Each reagent is optimized for use in the E-AD-C079. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-AD-C079 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

**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°C in 1 weeks, and it should be stored at -20°C for a long term storage.

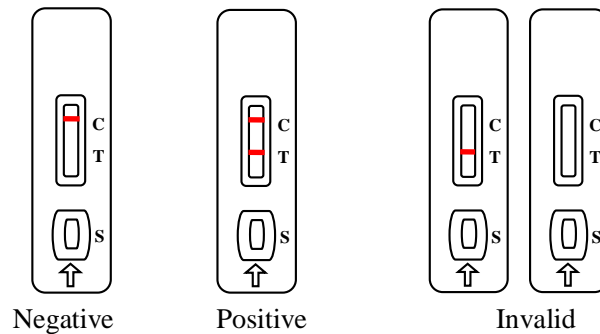
## Assay procedure

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. Add 10 µL of **Serum** and add 3 drops of **Sample Diluent** to the sample well (S) vertically and slowly (make sure that there is no liquid out flowing from the well).
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.
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 leptospira IgM antibodies in canine. A rough estimate (high, general, low) of the antibody concentration can be calculated according to the color shade of the detection line.
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.