

Instructions for Use

Version: 1.0.1

Revision date: 22-Jul-25

Dog Leptospira IgM Rapid Test Kit

Catalog No.: abx092177

Size: 40 tests

Storage: Store all reagents at 2°C – 30°C. Keep dry.

Application: For qualitative detection of Dog Leptospira IgM in serum samples.

Introduction and Assay Principle

Abbexa's Dog Leptospira IgM Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Dog Leptospira IgM present in the samples combines with the colloidal gold particle-labelled Dog Leptospira IgM antigen. When the concentration of Dog Leptospira IgM in the sample is more than the detection limit, there is a color change in the detection line and the result is positive. When the concentration of Dog Leptospira IgM in the sample solution is less than the detection limit, there is no color change in the detection line and the result is negative.

Kit Components

- Test cassettes with pipettes: 40
- Sample Diluent: 3 vials

Material Required But Not Provided

- High-precision pipette and sterile pipette tips
- Timer

A. Sample preparation

- **Serum:** Serum samples should be collected using conventional methods and stored between 2 – 8°C for short-term storage (up to 1 week) or -20 °C for long-term storage. Fresh samples are recommended. Avoid repeated freeze/thaw cycles, bacterial pollution, visible particles; and avoid cloudy, hemolytic, or viscous samples.

B. Assay procedure

1. Take a test cassette and lay it flat on a clean table.
2. Using a high-precision pipette, slowly and vertically add 10 µl of serum to the sample well on the test cassette. Avoid foaming.
3. Using the provided pipette, slowly and vertically add 3 drops (approximately 60 µl) of Sample Diluent to the sample well (S) on the test cassette. Avoid foaming.
4. Leave at room temperature for 5 – 10 minutes, then analyze the result.

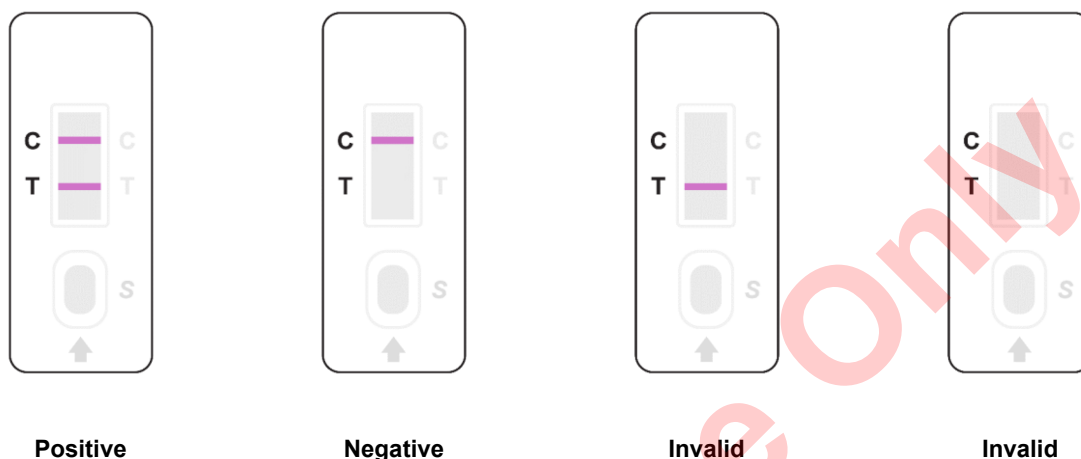
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C. Results analysis

- **Positive result:** A colored line is observed in both the control (C) section and the test (T) section.
- **Negative result:** A colored line is observed in the control (C) section but not the test (T) section.
- **Invalid result:** No colored line is observed in the control (C) section.



Notes

1. The test cassettes should be brought to room temperature before use.
2. After opening the aluminum foil, use the test cassette as soon as possible.
3. Samples should be clear with no visible particles, turbidity, or bacterial pollution.
4. Do not mix or re-use the disposable pipettes to avoid cross-contamination.
5. Do not use water, PBS, or similar solutions as the negative control.
6. Avoid touching the cassette membrane through the sample well or test result window.
7. This kit is for qualitative detection of Dog Leptospira IgM in serum samples. For other sample types, a preliminary experiment is recommended to determine compatibility with this kit. Positive samples can be tested with another method (e.g. HPLC, LC/MS) for quantitative results.
8. Samples from animals treated with monoclonal antibodies may exhibit false-positive results, as these animals generate anti-monoclonal antibodies which may interfere with the assay.
9. Do not use this kit with reagents from a different Lot number or manufacturer.
10. This kit is for research use only and the results are for reference only.
11. All waste should be disposed appropriately. Please note that you may need to follow special waste disposal procedures for infectious samples. Please check local disposal regulations.

Technical Support

For troubleshooting and technical assistance, please contact us at support@abbexa.com.