

Instructions for Use

Version: 1.0.1
Revision date: 20-Jun-23

Canine Leishmania Antibody Rapid Test Kit

Catalog No.: abx092120

Size: 50 tests

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

Application: For qualitative detection of Canine Leishmania Antibody in serum and plasma.

Introduction and assay principle

Abbexa's Canine Leishmania Antibody Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Canine Leishmania Antibody present in the samples combines with the colloidal gold particles. When the concentration of Canine Leishmania Antibody 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 Canine Leishmania Antibody 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: 50
- Sample diluent: 5 vials

Material Required But Not Provided

- Timer

Sample preparation

- Serum and plasma 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.

Assay procedure

1. Take a test cassette and lay it flat on a clean table. Add 10 µl of sample to the sample well. Using the provided pipette, slowly and vertically add 3 drops (approximately 80 µl) of sample to the sample well on the test cassette. Avoid foaming.
2. Leave at room temperature for 5-10 min, then analyze the result.

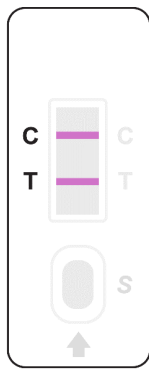
Results analysis

- **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.

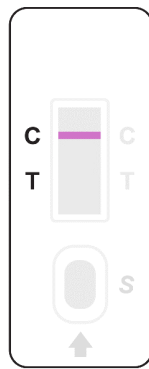
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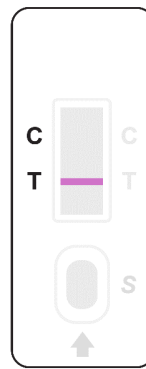
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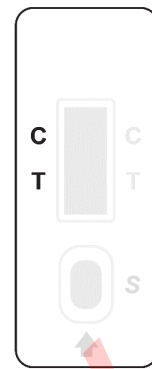
Positive



Negative



Invalid



Invalid

- A negative result indicates that there are no Canine Leishmania antibodies present in the sample. If the animal is exhibiting acute symptoms, Canine Leishmania infection cannot be excluded.
- A positive result indicates that the animal may be infected with Canine Leishmania. It is recommended to use another detection method to confirm and analyze the result.

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 Canine Leishmania Antibody in dog serum and plasma 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. This kit is for research use only and the results are for reference only. It is recommended to use this kit in conjunction with another detection method.
10. 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.