

# C. Leishmania Antibody

**AffIVET® Rapid Test Kit**

**AFG-VR-33**

**10 Tests**



# Material Required

(10) Canine Leishmania antibody test card bag (contains 1 test card, 1 dropper, 1 bag of desiccant)

(10) Assay Diluents

(10) Droppers

(01) User Manual

## Storage & Expiry Date

- 1) Store the test kit at 2 to 30°C in a cool and dry place . **DO NOT FREEZE.**
- 2) Avoid direct Sunlight.
- 3) The expiry date is 18 months from the production date, which is indicated on the box.

# Test Principle

- The AffiVET® Canine Leishmania Antibody Rapid Test Kit utilizes rapid immunochromatography technology to detect LSH antibodies. Upon adding the diluted sample to the test card well, any pathogenic antibodies present in the sample will specifically bind to the colloidal gold-labeled antigen. This forms a complex that migrates along the chromatography membrane and is captured on the membrane's pre-coated protein, resulting in a distinctive wine-red detection line at the T position.
- If the sample does not contain antibodies to the pathogen, no visible line will form at the "T" position. Additionally, a "C" line is incorporated into the system to validate the experiment's effectiveness. Regardless of whether the result is negative or positive, the line should exhibit coloration; otherwise, the result will be deemed invalid.



# Sample Collection & Preparation

## Plasma

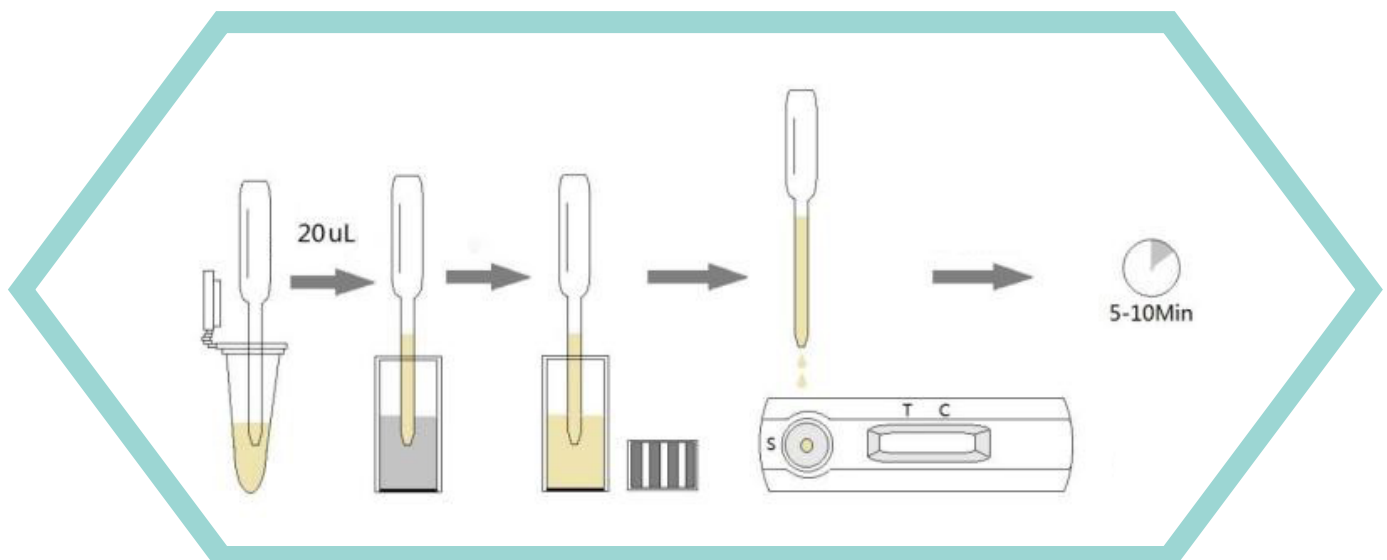
- Collect blood using anticoagulant tubes.
- Centrifuge at 1500 rpm for 10 minutes to separate layers.
- Carefully collect plasma from the top layer.
- Short-term: Store plasma at 4°C for 2–3 days.
- Long-term: Freeze plasma at -20°C or lower.

## Serum

- Collect blood and keep at 37°C for 1–2h.
- Take the supernatant and centrifuge at 1500r/min for 10min then separate the serum.
- The serum can be stored for 2–3 days at 4°C.
- For long term storage, freeze at -20°C.

# Test Procedure

1. Prior to conducting the test, carefully review the instruction manual. Ensure the test card and sample are acclimated to room temperature, ranging between 15°C to 25°C.
2. Remove a piece of aluminum foil bag and tear it open. Place the test card horizontally on the operating platform without lifting it during the test process. It can only be removed after completion.
3. Retrieve one bottle of assay buffer from the buffer box. Using a capillary dropper, collect 2 drops (20  $\mu$ L) of serum or plasma sample. Add the sample to the buffer and thoroughly mix.
4. Utilize the provided dropper within the aluminum foil bag to draw the mixture. Add 4 drops (100 $\mu$ L) to the sample hole on the test card and commence timing.
5. Begin interpreting test results after approximately 5 minutes, ensuring completion within 10 minutes. Interpretations beyond 10 minutes are deemed invalid.

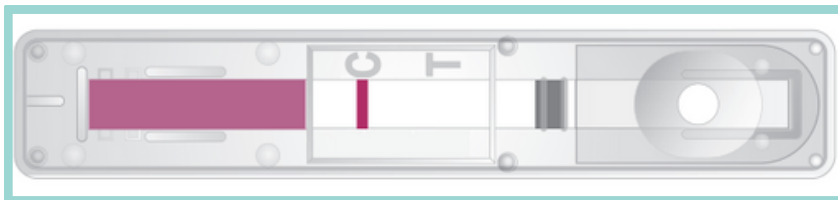


# Result Interpretation

## Negative Result

- Presence of C-Line
- Absence of T-Line

**This means there is no C. LSH Ab antibody in sample or the level is lower than the detection threshold.**



## Positive Result

- Presence of C-Line
- Presence of T-Line

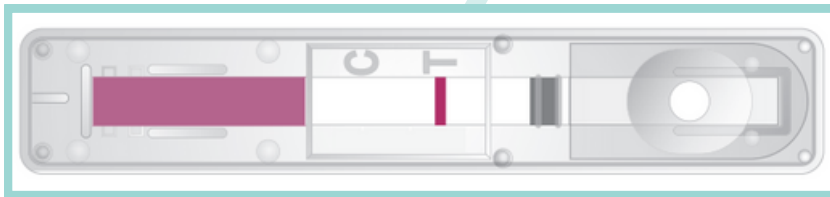
**Purple-red strips confirms the presence of C. LSH Ab antibodies in sample, Regardless of whether the T line is clear or not.**



# Result Interpretation

## Invalid Result

- Absence of C-Line
- Presence of T-Line



- Absence of C-Line
- Absence of T-Line



**This means that the procedure was not applied correctly or that the test is invalid.**

# Cautions

- Utilize the test card within its designated shelf life and within one hour of opening.
- Keep the test card away from direct sunlight and avoid exposure to direct airflow from electric fans during inspection.
- Handle the test card with care and refrain from touching the white film surface in the center of the detection card.
- Prevent cross-contamination by avoiding the mixing of sample droppers.
- Use only the sample diluent provided with this reagent; do not substitute with other solutions.
- Dispose of used test cards as hazardous microbial waste.

This immunological diagnostic kit is intended solely for providing qualitative test results for the clinical detection of pet diseases. If you have any inquiries regarding the test results, consider employing alternative diagnostic methods, such as enzyme-linked immunoassay kits, for further sample analysis. For pathological analysis, please consult your local veterinary physician.

## Contact us

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