

# Ehrlichia – LSH – Anaplasma - Heartworm Combo Test

## ■ INTENDED USE

The Ehrlichia – LSH - Anaplasma - Heartworm Combo Test is a test cassette to diagnose the antibodies against Ehrlichia canis, Ehrlichia ewingii, Leishmania, Anaplasma phagocytophilum and Anaplasma platys, and Dirofilaria immitis in dog's serum or plasma specimen.

Assay Time: 5-10 minutes

## ■ PRINCIPLE

The Ehrlichia – LSH - Anaplasma - Heartworm Combo Test is based on sandwich lateral flow immunochromatographic assay.

## ■ REAGENTS AND MATERIALS

- 5 test pouches, with cards and disposable droppers
- 1 bottle of assay buffer
- 5 capillary droppers
- 1 package insert

## ■ STORAGE AND STABILITY

The kit can be stored at room temperature (2-30°C). The test kit is stable through the expiration date (24 months) marked on the package label. DO NOT FREEZE. Do not store the test kit in direct sunlight.

## ■ SPECIMEN PREPARATION AND STORAGE

1. Specimen should be obtained and treated as below.

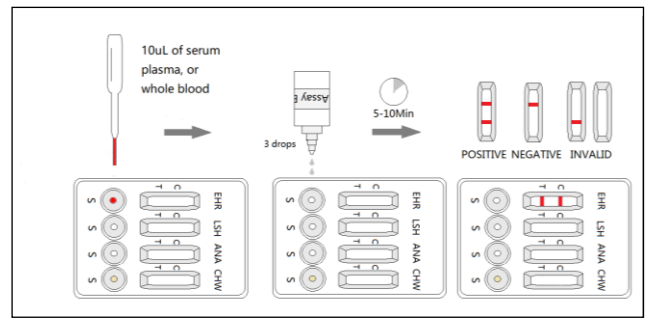
Serum or plasma: collect the whole blood for the patient dog, centrifuge it to get the serum, or place the whole blood into a tube which contains anticoagulants to get plasma.

Whole blood: directly use the whole blood in the assay.

2. All specimen should be tested immediately. If not for testing right now, they should be stored at 2-8°C.

## ■ TEST PROCEDURE

- Allow all materials, including specimen and test device, recover to 15-25°C before running the assay.
- Take out the test card from the foil pouch and place it horizontally.
- Using the capillary dropper to collect the prepared specimen (serum, plasma or whole blood), and place 1 drop (10 µL) of the into the sample well "S" of the test card. Then place 3 drops (approx. 90 µL) of assay into the sample well. Start the timer.
- Interpret the result in 5-10 minutes. Result after 10 minutes is considered as invalid.



## ■ INTERPRETATION OF RESULTS

- Positive (+): The presence of both "C" line and zone "T" line, no matter T line is clear or vague.
- Negative (-): Only clear C line appear. No T line.
- Invalid: No colored line appears in C zone. No matter if T line appears.

## ■ PRECAUTIONS

- All reagents must be at room temperature before running the assay.
- Do not remove test cassette from its pouch until immediately before use.
- Do not use the test beyond its expiration date.
- The components in this kit have been quality control tested as standard batch unit. Do not mix components from different lot numbers.
- All specimens are of potential infection. It must be strictly treated according to the rules and regulations by local states.

## ■ LIMITATION

The Ehrlichia – Leishmania - Anaplasma - Heartworm Combo Test is for in vitro veterinary diagnosis use only. All result should be considered with other clinical information available with veterinarian. It is suggested to apply a further confirmative method such as microscopy when positive result was observed.