

Dynamiker Pets Biotechnology (Tianjin) Co., Ltd.
Canine Heartworm Antigen Rapid Test

Catalogue No: DNP-003

User Manual / 10 tests

1. INTENDED USE

The Canine Heartworm Antigen Rapid Test is a test cassette to diagnose the presence of *Dirofilaria immitis* antigens (CHW Ag) in dog's blood specimen.

Assay Time: 10-15 minutes

Specimen: Serum, plasma

2. PRINCIPLE

The Canine Heartworm Antigen Rapid Test is based on sandwich lateral flow immunochromatographic assay. The test cassette has a testing window for the observation of assay running and result reading. The testing window has an invisible T (test) zone and a C (control) zone before testing. When the treated sample was applied into the sample well on the cassette, the liquid will laterally flow through the surface of the test strip and react with the pre-coated monoclonal antibodies. If there is CHW antigen in the specimen, a visible T line will appear. The C line should always appear after a sample is applied, which indicates a valid result. By this means, the cassette can accurately indicate the presence of Heartworm antigen in the specimen.

3. REAGENTS AND MATERIALS

Components	Quantity
Test Cassette in Foil Bag	10 Tests
Desiccant in Foil Bag	10 Pcs
Disposable Capillary Dropper	10 Pcs
Assay Buffer	1 Bottle
User Manual	1 Pc

4. STORAGE AND STABILITY

The kit can be stored at room temperature (4-30°C). The test kit is stable through

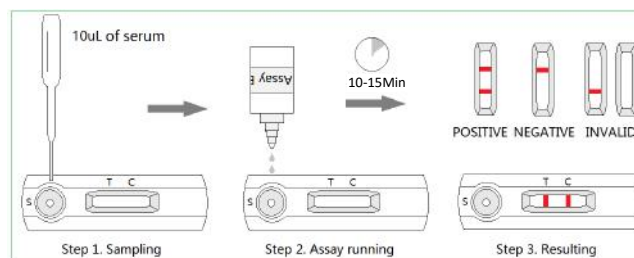
the expiration date marked on the package label. DO NOT FREEZE. Do not store the test kit in direct sunlight.

5. SPECIMEN PREPARATION AND STORAGE

- 5.1 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.
- 5.2 All specimen should be tested immediately. If not for testing right now, they should be stored at 2-8°C.

6. TEST PROCEDURE

- 6.1 Allow all materials, including specimen and test cassette, recover to 15-25°C before testing.
- 6.2 Take out the test cassette from the foil bag and place it horizontally.
- 6.3 Using the pipette to place 10µL of the prepared specimen into the sample well labelled "S" of the test cassette. Then add 3 drops of the assay buffer into the sample well immediately.
- 6.4 Interpret the result in 10-15 minutes. Result after 15 minutes is considered as invalid.


7. INTERPRETATION OF RESULTS

- Positive (+): Presence of both "C" line and "T" line, no matter "T" line is clear or vague.
- Negative (-): Appearance of single "C" line. No red "T" line.
- Invalid: No red "C" line appears. No matter if "T" line appears.

8. PRECAUTIONS

- All reagents must be at room temperature before testing.
- Do not remove test cassette from its bag 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.

9. LIMITATION

The Canine Heartworm Antigen Rapid 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 when positive result was observed.

10. MANUFACTURER

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[SYMBOLS USED]

Symbol	Description
	Use-by date
	Lot Number
	Manufacture Date
	Keep Away from Sunlight
	Temperature Limitation