**Canine Heartworm Ag Rapid Test**

**Cat No.: H81009**

1. **INTENDED USE**

Chemicos™ Canine Heartworm Ag Rapid Test is a sandwich lateral flow immunochromatographic assay for the qualitative detection of Dirofilaria *immitis* (CHW Ag) in dog’s serum or plasma.

**Assay Time:**  5-10 min

**Sample:** Serum, plasma

1. **PRINCIPLE OF THE ASSAY**

Chemicos™ Canine Heartworm Ag Rapid Test is based on sandwich lateral flow immunochromatographic assay. The test device has a testing window. The testing window has an invisible T (test) zone and C (control) zone. When sample is applied into the sample hole on the device, the liquid will laterally flow on the surface of the test strip. If there is enough CHW antigen in the sample, a visible T band will appear. The C band should always appear after a sample is applied, indicating a valid result. By this means, the device can accurately indicate the presence of Dirofilaria *immitis* antigen in the sample.

1. **KIT COMPONENT**
* 20×foil pouches, each containing a cassette and desiccant
* 20×assay buffer tubes
* 20×Pipette
* Product Manual
1. **TEST PROCEDURE**
* Collet cat’s whole blood, serum or plasma as sample.
* Allow all materials, including specimen and test device, recover to 15-25℃ before running the assay.
* Take out the cassette from the foil pouch and place it horizontally.
* Use Pipette to collect serum, plasma (fresh or stored at 2-8℃ for use within 3 days) drop 1 drops into a vial of assay buffer and mix well.
* Then drop 3 drops of the diluted sample into each sample hole of the test.
* Interpret the result in 5-10 minutes. Result after 10 minutes is considered as invalid.
1. **INTERPRETATION OF RESULTS**

**Positive**: The presence of both C band and T band, no matter T band is clear or vague.

**Negative:** Only clear C band appears.

**Invalid:** No colored band appears in C zone, no matter whether T band appears.

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1. **STORAGE**

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 foil pouch. **DO NOT FREEZE**. Do not store the test kit in direct sunlight.

1. **PRECAUTIONS**
* For best results, please strictly adhere to these instructions.
* 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 reuse the test kit.
* Do not use the test beyond its expiration date marked on the foil pouch.
* The components in this kit have been quality control tested as standard batch unit. Do not mix components from different lot numbers.
1. **LIMITATION**

Chemicos™ Canine Heartworm Ag Rapid Test is for in vitro veterinary diagnosis use only. All results should be considered with other clinical information available from veterinarian. For an accurate result, It is suggested to apply other method such as PCR for final determination in practice.