**Canine Babesia gibsoni Ab Rapid Test**

**Cat No.: H81015**

1. **INTENDED USE**

Chemicos™ Canine Babesia gibsoni Ab Rapid Test is a indirect lateral flow immunochromatographic assay for the qualitative detection of Babesia gibsoni antibody (BG Ab) in dog’s serum.

**Assay Time:**  5-10 min

**Sample:** serum or plasma.

1. **PRINCIPLE OF THE ASSAY**

Chemicos™ Canine Babesia gibsoni Ab 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 Babesia gibsoni antibodies 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 Babesia gibsoni antibodies in the sample.

1. **KIT COMPONENT**
* 20×foil pouches, each containing one cassette and a desiccant
* 20×assay buffer
* 20×Pipette
* Product Manual
1. **TEST PROCEDURE**
* Allow all materials, including specimen and test device, recover to 15-25℃ before running the assay.
* Take out the test card from the foil pouch and place it horizontally.
* Use Pipette to collect serum or 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 (approx. 120μL) of the diluted sample into the sample hole of the test card.
* 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.

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 Babesia gibsoni Ab 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 ELISA for final determination in practice.

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