ONE STEP Canine Babesia antibody Test

For veterinary diagnostic use only

Anigen Rapid Canine Babesia Ab Test Kit

■ Principles

The **Anigen Rapid Canine Babesia Ab Test Kit** is a chromatographic immunoassay for the qualitative detection of antibodies against canine *babesia gibsoni* in canine serum, plasma or whole blood.

The **Anigen Rapid Canine Babesia Ab Test Kit** has two letters which are test(T) line and control(C) line on the surface of device. Test line and control line in the result window are not visible before applying any samples. The control line is a reference line which indicates the test is performing properly. The control line has to appear every time when the test has performed. If the antibodies against canine *babesia gibsoni* are present in sample, a purple test line would appear in the result window.

The highly selective canine *babesia gibsoni* antigens are used as a capture and detector in the assay. These antigens are capable of detecting antibodies against canine *babesia gibsoni* in canine serum, plasma or whole blood with a high accuracy.

■ Materials provided

Reagent	5 Tests/Kit	10 Tests/Kit
Anigen Rapid Canine Babesia Ab Test Device	5	10
Assay diluents bottle	1	1
Disposable capillary tube	5	10
Anticoagulant tube	5	10
Instructions for use	1	1

♣ A black line on the capillary tube is the indicator line for 10㎕.

■ Materials required, but not provided

1) Timer

■ Precautions

1) The test kit is for canine use only. Do not use for other animals.
2) The test device is sensitive to humidity as well as heat. Perform the test immediately after removing the test device from the foil pouch.
3) Do not reuse the test components.
4) Apply the sample and assay diluents vertically.
5) Do not touch the membrane in the result window of test device.
6) Do not use the test kit beyond the stated expiration date marked on the package label.
7) Do not use the test kit if the pouch is damaged or the seal is broken.
8) Do not mix components from different lot numbers because the components in this kit have been quality control tested as standard batch unit.
9) All samples should be handled as being potentially infectious. Wear protective gloves while handling samples. Wash hands thoroughly afterwards.
10) Decontaminate and dispose of all samples, used kits and potentially contaminated materials safely in accordance with national and local regulations.

■ Storage and Stability

1) Store the test kit at 2~30°C. **DO NOT FREEZE.**
2) Do not store the test kit in the direct sunlight.
3) The test kit is stable within the expiration date marked on the package label.

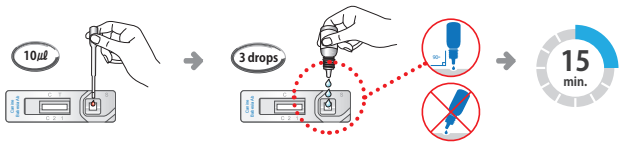
■ Collection and Preparation of Sample

1) Canine whole blood, serum, or plasma should be used with this test.
   [Whole blood] Collect the whole blood into the anticoagulant tube (Max. vol. 1.5ml) provided. If anticoagulated whole blood is not immediately tested, they should be refrigerated at 2~8°C and used within 24 hours.
   [Serum] Collect the whole blood into the collection tube(NOT containing anticoagulants such as heparin, EDTA and sodium citrate), leave to settle for 30 minutes for blood coagulation and then centrifuge to get serum supernatant.
   [Plasma] Collect the whole blood into the collection tube(containing anticoagulants such as heparin, EDTA and sodium citrate) and then centrifuge to get plasma.
2) If serum or plasma samples are not tested immediately, they should be refrigerated at 2~8°C. For longer storage, freeze at -20°C or below. Frozen samples should be brought to room temperature(15~30°C) prior to use.
3) Specimens containing precipitate may yield inconsistent test results. Such specimens must be clarified prior to assaying.
4) The use of hemolytic or bacterially contaminated specimens should be avoided. Erroneous result may occur.

■ Procedure of the Test

1) All reagents and samples must be at room temperature(15~30°C) before use.
2) Remove the test device from the foil pouch, and place it on a flat and dry surface.
3) Using the disposable capillary tube, 10ul of the sample into the sample hole, and then add 3 drops of the assay diluents.
4) Start the timer. The sample will flow across the result window. If it does not appear after 1 minute, add one more drop of assay diluents to the sample hole.
5) Interpret test results at 15 minutes. Do not interpret after 25 minutes.

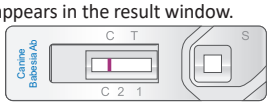
[Figure of Test Procedure]



■ Interpretation of the Result

1) Negative result

Only control("C") line appears in the result window.

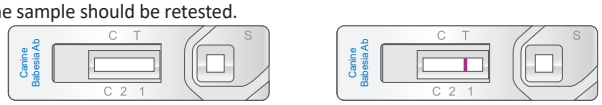


2) Positive result

Test("T") line and control("C") line in the result window indicate the presence of antibodies against canine babesia.

3) Invalid Result

If the control("C") line does not appear, the result might be considered invalid. The sample should be retested.



■ Limitations of the Test

1) Although the Anigen Rapid Canine Babesia Ab Test kit is very accurate for detecting antibodies against canine *babesia gibsoni*, a low incidence of false results can occur. Other clinical and/or laboratory tests might be required if questionable results are obtained. As other diagnostic tests, a definitive clinical diagnosis should not be based on the result of a single test, but should be diagnosed by veterinarian after all clinical and laboratory findings have been evaluated.
2) The reading window may show a light pink background coloration; this will not affect the accuracy of the results.
3) BioNote and its distributors cannot be held responsible for the consequences of misuse or misinterpretation of the results given by the test.

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