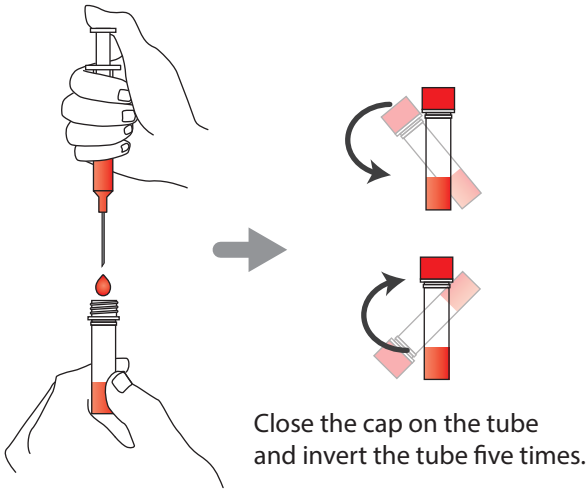


Instruction for CHW Ag test

For veterinary use only

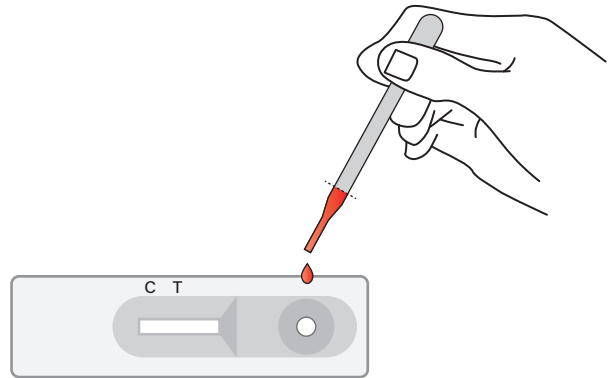
1. Sampling

Collect the **Whole blood** into the tube contained anticoagulants



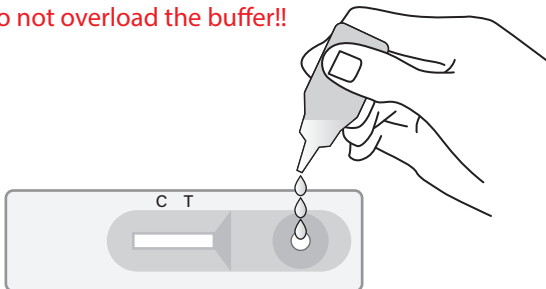
2. Sample loading

Dispense 1 drop (30 μ l) of the sample.
***Do not overload the sample!!**



3. Buffer loading

Dispense 3 drops (90-100 μ l) of the assay diluent.
***Do not overload the buffer!!**



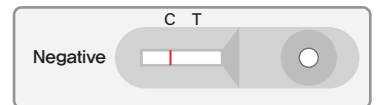
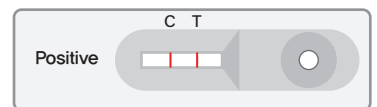
4. Reading

Read the result between **5-10 min**

00:05:00

~

00:10:00

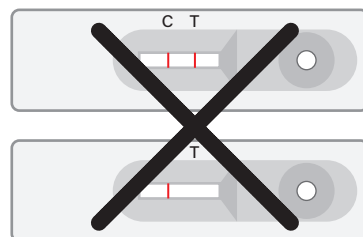


5. Discard

00:10:00

Discard the used device
Invalid result after 10min

***Do not read the test result
after 10 minutes.**



For veterinary diagnostic use only

Imedicom Diagnostics CHW Ag Test Kit

– Principles

The Imedicom Diagnostics CHW Ag Test Kit is a chromatographic immunoassay kit for rapid and qualitative detection of dirofilarial immitis antigen in canine whole blood, serum or plasma. A nitrocellulose membrane is immobilized with antibody against the dirofilarial immitis antigen. Another anti-dirofilarial immitis antibody is conjugated to colloidal gold particles. This conjugate is placed on a polyester pad as a conjugate pad. This test is aimed to the detection of dirofilarial immitis antigen in the blood. When the device is loaded with assay diluent containing blood specimens, the solubilized conjugate migrates with the sample by passive diffusion and both the conjugate and sample come into contact with the anti-dirofilarial immitis antibody that it absorbed onto the nitrocellulose. The result is visible within 10 minutes in the form of a red line on the test line (T) region of the device. The solution continues to migrate to encounter a control reagent that binds a control conjugate, thereby producing a second red line on the control line (C) area.

– Materials provided (10 tests/kit)

- 10 X Imedicom diagnostics CHW Ag test devices
- 1 X Assay diluent
- 10 X Anticoagulant tubes
- 10 X Disposable droppers
- 1 X Instructions for use

– Storage & Stability

1. Store the test kit at 2-30 °C (36-86°F), Do not freeze.
2. Do not store the test kit in the direct sunlight and heat.
3. The test kit is stable within the expiration date that marked on the package label.

– Warnings & Precautions

1. The test kit is for canine use only. Do not use for other animals.
2. The test kit is intended for in vitro diagnostic use only.
3. Do not use the test kit if the pouch is damaged or the seal is broken.
4. Perform the test immediately after removing the test device from the foil pouch.
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. Avoid cross-contamination between samples by using a new dropper for each test.
8. Do not reuse test components.
9. Wear protective gloves while handling samples. Wash hands thoroughly afterwards.
10. Decontaminate and dispose of all samples, test devices, and potentially contaminated materials safely in accordance with national and local regulations.

– Sample collection & Preparations

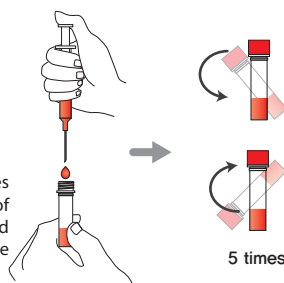
The specimen of the test are canine serum, plasma or whole blood (anticoagulated).

Please follow the method below for specimen collection and preparation. All test device, except for specimens, should be placed at room temperature before testing.

[Whole blood]

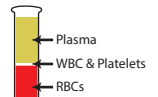
1. Collect the whole blood into the tube containing anticoagulants.
2. Close the cap on the anticoagulant tube, then invert the tube 5 times to mix the blood and the EDTA.

Anticoagulated whole blood samples should be tested within 24 hours of being drawn. If delays are expected between sampling and testing, the sample should be stored (2-8 °C) refrigerated, but it should not be frozen.



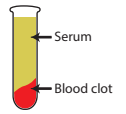
[Plasma]

1. Collect the whole blood into the tube containing anticoagulants.
2. Centrifuge the blood and separate the plasma.



[Serum]

1. Collect the whole blood into the tube containing no anticoagulants (Tube is not provided).
2. Allow the blood to clot, then centrifuge to separate the serum.



Serum and plasma should be tested immediately after preparation. If necessary, they may be stored at 2-8 °C for up to 24hours or at -20 °C for longer periods.

– Test procedure

1. Place all samples, test devices and allow them to room temperature prior to testing (15-30min).
2. Remove the test device from the sealed pouch and place it on a clean and plain place.
3. Take the blood sample (whole blood, serum or plasma) and load 1 drop (approx. 30µl) of the sample into sample well (S) of the device.
4. Hold the assay diluent bottle vertically and add 4 drops of the solution into sample well (S) of the device.
5. Within 5-10 minutes, interpret the test result (s). Do not read after 10 minutes.

– Interpretation of the Result

A color band will appear in the control line (C) of the result window to show that the test is working properly. The other color band in the test line (T) of the result window indicates the test results.

1. Negative

- 1) One band is appeared in the control line (C).



2. Positive

- 1) Two bands are appeared in the test line (T) and control line (C).



3. Invalid

- 1) If at 10 minutes, the red color band does not appear in the control line (C), even if any shade of a pink-to-red test Line (T) appears, the result is considered invalid. If the test is invalid, a new test should be performed with a new sample and a new test device.



– Limitations of the test

Imedicom Diagnostics CHW Ag Test Kit is designed for primary screening test of canine heartworm antigen. This kit can provide fast and easy way to get a result, but do not completely exclude the possibility of false positive or false negative result caused by various factors. So, refer to the result of this kit, please make a final decision with clinical manifestation, other test results, and veterinarian's view, collectively.

Doc. No.
 Date of Issue :