

VDRG[®] CHW Ag Rapid kit

CAT. NO. PC-CHW-11

PRINCIPLES

VDRG[®] CHW Ag Rapid kit is a chromatographic immunoassay for the detection of canine *dirofilaria immitis* antigen in canine whole blood, serum or plasma. This is a diagnostic kit to detect by canine whole blood, serum or plasma followed by putting them into the sample hole. If there are canine *dirofilaria immitis* antigen in the specimen, these antigens bind to canine *dirofilaria immitis* specific antibody-gold particle conjugates and move on the membrane by capillary forces, and then shows a red line on the test line due to the binding with canine *dirofilaria immitis* antibody which are already applied on the membrane. This test kit, the diagnostic reagent can detect canine *dirofilaria immitis* antigen quickly and simply at 10 minutes after injection of samples.

KIT COMPONENTS

Components	10 Tests/Kit
① CHW Ag Rapid device	10 tests
② EDTA(20ul) tube	10ea
③ Sample dropper	10ea
④ Instruction Manual	1copy

APPEARANCE

1. In a test device : Specimen application round hole (S) is located at lower part of plastic cassette. The location of the test (T) and control (C) lines are marked on the rectangle display. The sample pad, conjugate pad, nitrocellulose membrane, and absorption pad are attached to the test strip with them overlapped one after another.

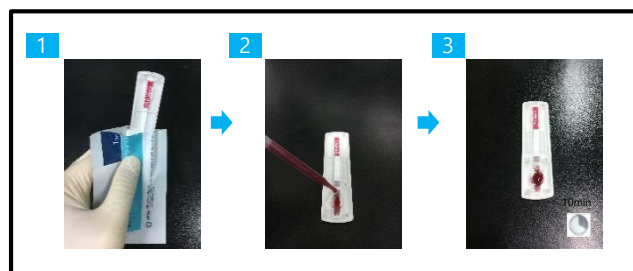
SAMPLE PREPARATION

1. Whole blood : Collect on anti-coagulated blood sample in EDTA, heparin or citrate using standard clinical laboratory procedures. Anti-coagulated whole blood samples should be tested within 24 hours of drawing. If delays are expected between samples should be stored either on ice or refrigerated (2~8°C), but should not be frozen. If anti-coagulated whole blood samples cannot be tested within this period of time, separate plasma by centrifugation and store as described in the next section.

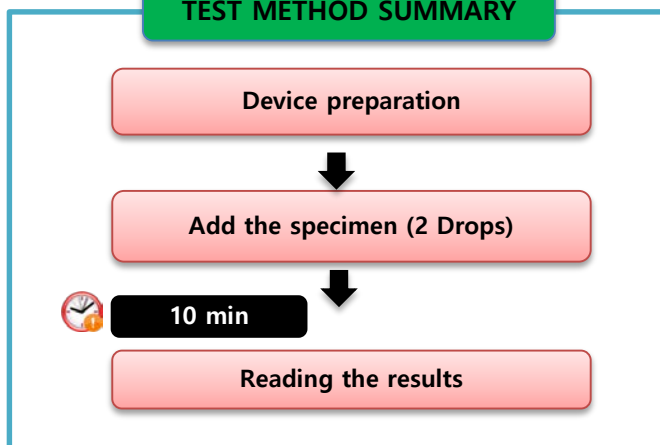
2. Plasma : Collect an anti-coagulated blood sample using standard clinical laboratory procedures. Separate plasma by centrifugation. Plasma samples may be stored refrigerated(2~8°C) for up to 72hours; for longer storage, freeze at or below -20°C in vials with air-tight seals.
3. Serum : Collect and prepare serum samples using standard clinical laboratory procedures. Serum samples may be stored refrigerated (2~8°C) for up to 72 hours; for longer storage, freeze at or below -20°C in vials with air-tight seals.

TEST PROCEDURE

1. Remove the test device from the foil pouch, and place it on a flat and dry surface.
2. Take the sample(whole blood, serum, plasma) using sample dropper. add 2 drops (approximately 80ul) of sample into the sample hole.
3. Interpret test results at 10 minutes.



TEST METHOD SUMMARY



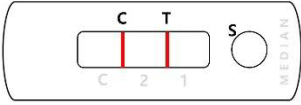
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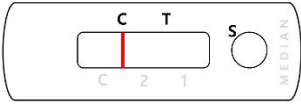


RESULT INTERPRETATION

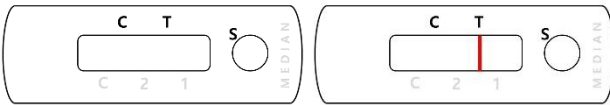
1. Positive : When there are both control line and test line.



2. Negative : When there is a control line but no test line.



3. Re-test : When there is a test line but no control line, or there are no control line and test line.



* Regardless of CHW presence, a control line should always appear. The control line is needed to check whether abnormal reaction occurs or not, so if there is no control line, re-test should be performed.

STORAGE AND STABILITY

Store all reagents at 2~30°C. Do not freeze. Reagents remain stable until the expiration date when stored as instructed. **!**

PRECAUTIONS

1. For animals in vitro diagnostic use only.
2. This Rapid Test Device is sensitive to moisture, so it is recommended to open just before you use it and use within 10 minutes after opening.
3. Be sure to use a separate dilution container, disposable dropper, and cotton swab for each sample.
4. Direct contact such as touching to the membrane in the result display of the device can affect results.
5. Do not use the expired reagent.
6. Sample runs a risk of having unknown viruses or bacteria pathogens, so it should be handled with cares. When handling the infected materials, wear the disposable gloves and wash your hands thoroughly after work.
7. After use, all wastes should be discarded after sterilization with high-pressure steam at 121 degrees Celsius at least for 15 minutes.
8. This Rapid Kit is made for primary screening. The sample which has been determined as positive should be re-tested by more precise, sophisticated methods to get the comprehensive final diagnosis from professional veterinarians.

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