Ehrlichia/CHW/Babesia/Anaplasma Combo Test

In vitro Diagnostics

Cat No.: Q071-01

INTENDED USE

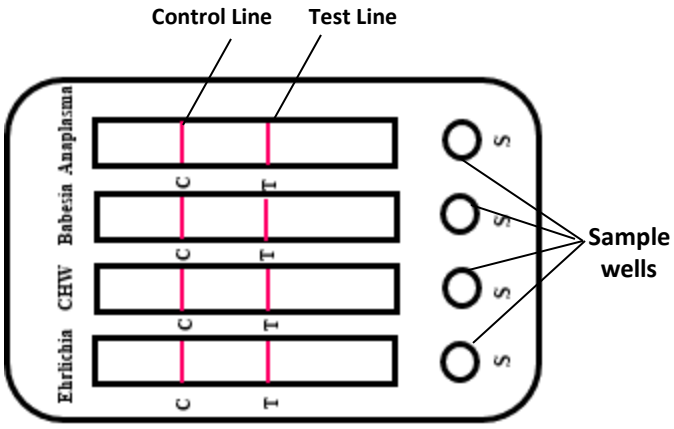
quickVet Ehrlichia/CHW/Babesia/Anaplasma Combo Test is a qualitative Immuno chromatographic assay for rapid detection of Ehrlichia, CHW, Babesia and Anaplasma infection in canine whole blood, plasma or serum. quickVet Ehrlichia/CHW/Babesia/Anaplasma Combo Test is only intended for initial screening and reactive samples should be confirmed by a supplemental assay such as ELISA.

TEST DESCRIPTION

Canine vector borne diseases are caused by a range of pathogens transmitted to dogs by blood-feeding arthropods like ticks, fleas, mosquitoes and sand flies. The commonly diagnosed vector borne diseases are Ehrlichiosis, Anaplasmosis, babesiosis and diroflariosis. The diseases are characterized by a complex pathogenesis with a potentially fatal clinical course for the majority of cases with new pathogenic findings being unrecovered every year. In addition, several have a zoonotic potential with possible transmission to the human population.

TEST PRINCIPLE

quickVet Ehrlichia/CHW/Babesia/Anaplasma Test works on the principle of immunochromatographic assay. Basic components of test strip include: a) Conjugate pad, which contains colloidal gold conjugated detection molecule; b) a nitrocellulose membrane strip containing two lines T: Capture molecule and C: Control reagent.



Test sample that is added to the sample well, with adequate amount of buffer migrates from the sample pad along the conjugate pad, where any antibody present in the sample will bind to the colloidal gold conjugate. The sample then continues to migrate across the membrane until it reaches the capture zone, where the antibody-detection molecule conjugate complex will bind to the respective immobilized antigen (on test line) producing a visible line on the membrane. If the respective antigen is not present in the sample, no reaction occurs in the capture zone and no test line is formed. The sample then migrates further along the strip until it reaches the control zone, where it produces another visible line on the membrane. This control line indicates that the sample has migrated across the membrane as intended.

REAGENTS & MATERIALS PROVIDED

1. Each sealed in a foil pouch containing following items:
   a. One test cassette
   b. dropper
   c. Desiccant
2. Assay Diluent
3. Instruction Leaflet.

STORAGE & STABILITY

Store the test kit between 2-30°C until the expiration date indicated on the pouch / carton. DO NOT FREEZE. Ensure that the test device is brought to room temperature before opening.

PRECAUTIONS & WARNING

1. Use within 10 minutes after opening pouch.
2. Do not touch result window.
3. For veterinary use only.
4. Use only the buffer supplied along with the kit
5. Do not mix components from different kits.
6. The Kit components must not be frozen.

SAMPLE COLLECTION & PREPARATION

Blood:

- Collect the blood by venipuncture using a syringe or vacutainer into a container containing anticoagulant such as heparin, EDTA or sodium citrate by venipuncture.

Plasma:

- Collect the whole blood by venipuncture using a syringe or vacutainer (containing anticoagulants such as heparin, EDTA or sodium citrate). Centrifuge the blood to obtain plasma specimen from the supernatant.

Serum:

- Collect the whole blood in to a syringe (Not containing anti-coagulants). Leave the syringe preferably at an angle, to settle for 30 minutes. Once blood coagulates, collect the clotted blood in to centrifuge tube and centrifuge to get serum specimen as supernatant.

Note:

- *If the specimen is not used for testing immediately, they should be refrigerated at 2~8°C.*
- *For storage period longer than 5 days, freezing is recommended. Store at -20^{0}C*
- *The specimen should be brought to room temperature prior to use.*

Treat the specimen as infectious and handle with standard biosafety measures.

TEST PROCEDURE

1. Take out the test card from the foil pouch and place it on a horizontal surface.
2. Add 10 µl Specimen to the Sample well "S". (To take 10 µl, aspirate only up to the bubble point in the dropper provided Refer Diagram .1.)

Diagram 1. 10µl sample

Aspirate to the bubble to obtain a 10µl sample

3. When the sample is fully absorbed, add 2 drops of the diluent provided with the assay to the sample well.
4. Wait for 10 minutes and interpret the result. The result is considered invalid after

quickVET RAPID

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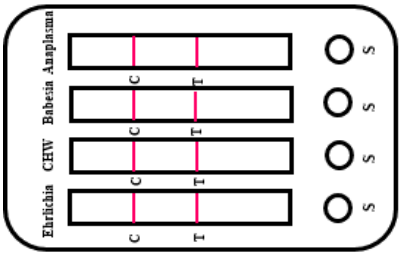
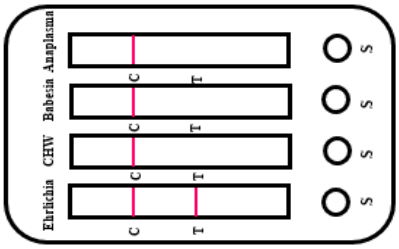
INTERPRETATION OF TEST RESULT

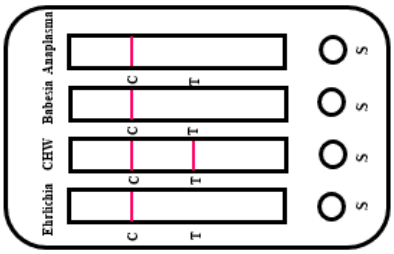
Ehrlichia, CHW, Babesia and Anaplasma Positive:



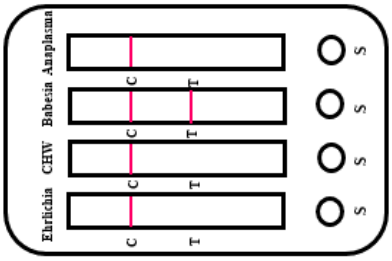
Ehrichia Positive, CHW,Babesia and Anaplasma Negative:



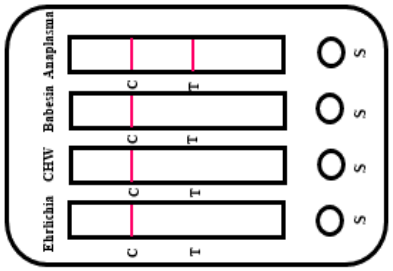
CHW Positive, Ehrlichia, Babesia and Anaplasma Negative:



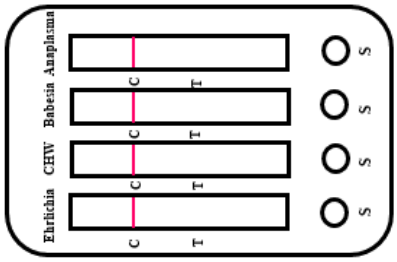
Babesia Postive, Ehrlichia, CHW and Anaplasma Negative:



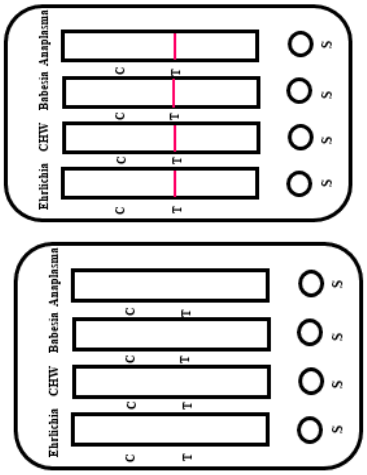
Anaplasma Positive, Ehrlichia, CHW and Babesia Negative:



Ehrlichia, CHW, Babesia and Anaplasma Negative:



Invalid: Control line does not appear at C.



Key to symbols used			
	Manufacturer		Expiration/use by date
	Do not reuse		Date of manufacture
	Consult IFU [Instructions For Use]	LOT	Batch code
	Temperature limitation 2-30°C	IVD	In Vitro diagnostic medical device
Σ X	Contains sufficient for 'X ' kits		Do not use if package is damaged
REF	Catalogue No		Keep dry

Manufactured by,

ubio Biotechnology Systems Pvt Ltd