

Bovine & Goat MTB Ab

AffIVET® Rapid Test Kit

AFG-VGS-17

25 Tests



Material Required

(25) MTB Test Card

(25) Sample Buffer

(01) User Manual

(25) Dropper

Storage & Stability

- 1) Store the test kit at 2 to 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.

Principle

- This test strip uses a rapid immuno-chromatography technique to qualitatively detect Tuberculosis Antibodies in serum & whole blood samples from bovines and goats.
- During testing, the Tuberculosis Antibodies in the sample bind with the antigens coated with the colloidal gold, forming complexes that move towards the other edge of the strip.
- Upon reaching the T-line, the specific antigens on the membrane capture these complexes, resulting in the appearance of a T-line.
- The presence of a C-line indicates the validity of the test.
- If the T-line appears, it signifies the presence of Tuberculosis Antibodies in the sample.



Sample

Collection & Preparation

Whole blood

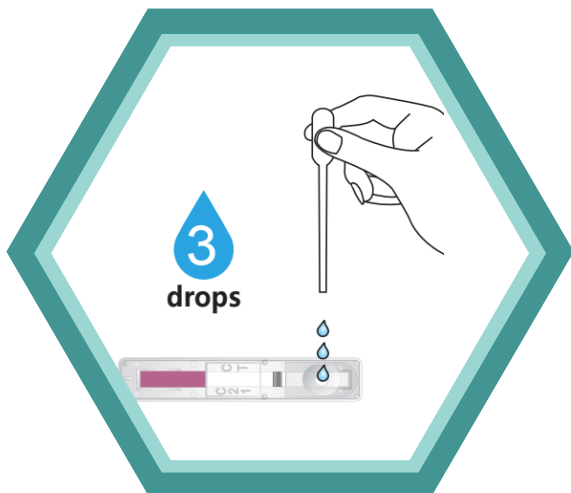
- Collect fresh anticoagulated whole blood and use on the same day.
- Whole blood without adding anticoagulant should be used immediately after collection.

Serum

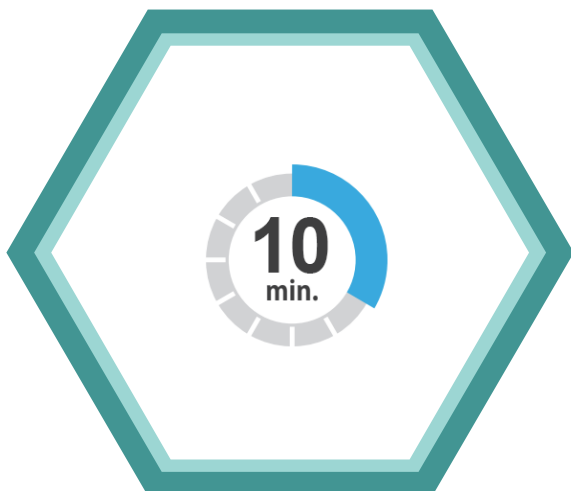
- Collect 2 to 3 mL of blood using a clean, dry tube following standard procedures.
- Allow the blood to last undisturbed for approximately 1 hour until it coagulates.
- After coagulation, centrifuge the tube at 4000 revolutions per minute (r/min) for 10 minutes. Alternatively, you can let the blood last for about 2 hours until it coagulates and naturally separates into serum and clot.
- Carefully separate the clear and bright serum from any hemolysis or contamination.
- The serum should be stored at a temperature between 2°C to 8°C for short-term storage and at -20°C for long-term storage.

Test Procedure

- 1) Use dropper to absorb the well-prepared sample.
- 2) Drop 1 drop of serum or 2 drops of whole blood into the sample buffer tube vertically and slowly mix it for ready use. (Note that this step is very important, never add too much sample).
- 3) Take out the test card from the bag.



- 4) Use the dropper to absorb the sample.
- 5) Drop 2 to 3 drops into the well marked with "S".



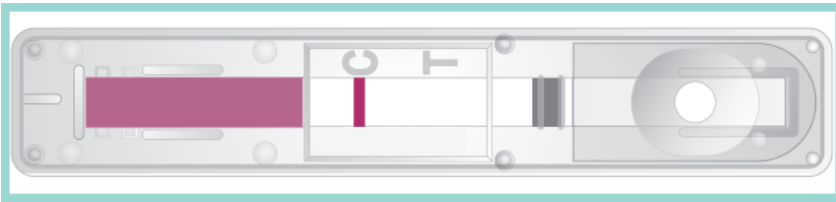
- 6) Read the results in 10 to 15 min at room temperature.
- 7) The result is invalid after 15 min.

Result Interpretation

Negative Result

- Presence of C-Line
- Absence of T-Line

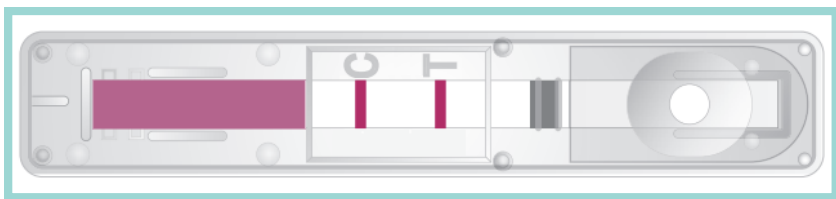
This means that there is no MTB Antibodies in the sample or the level is lower than the test detection limit.



Positive Result

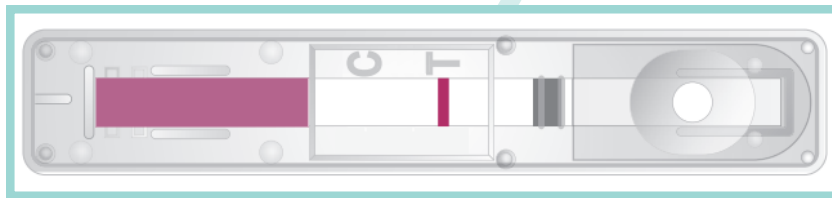
- Presence of C-Line
- Presence of T-Line

This confirms the presence of the MTB antibodies in the sample.

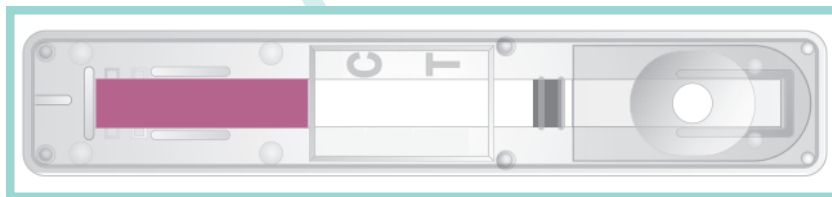


Invalid Result

- Absence of C-Line
- Presence of T-Line



- Absence of C-Line
- Absence of T-Line



This means that the procedure was not applied correctly or that the test is invalid.

Cautions

- Read the manual carefully before use, the offered buffer can only be used for this test.
- Avoid using serum from other animal species as a negative control. It is like using "no sample requirement" liquid.
- Do not use product out of date or broken foil bag.
- Return test card and sample buffer to room temperature after taking out from refrigerator, use the test card soon after open package to avoid dampness lead to invalidation.
- Avoid using samples contaminated, with turbidity, severe hemolysis, and large amounts of blood lipids.
- Do not touch the white membrane surface in the middle of test card.
- Avoid sunlight and fan blowing directly.
- The waste of test should be treated as pollution. Handle it according to your local regulations.

Contact us

Phone

(800) 660-1620

Email

info@affigen.com

Website

www.affigen.com

