

Instructions for Use

Version: 1.0.2
Revision date: 19-Oct-22

Cattle and Goat Foot and Mouth Disease Virus Type Asia I Antibody Rapid Test Kit

Catalog No.: abx092130

Size: 40 tests

Storage: Store all reagents at 2-30 °C. Keep dry.

Application: For qualitative detection in cattle, goat and sheep, serum or whole blood.

Introduction and assay principle

Abbexa's Cattle and Goat Foot and Mouth Disease Virus Type Asia I Antibody Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Foot and Mouth Disease Virus Type Asia I Antibody present in the samples combines with the colloidal gold particle-labelled Foot and Mouth Disease Virus Type Asia I Antigen. When the concentration of Foot and Mouth Disease Virus Type Asia I Antibody in the sample is more than the detection limit, there is a color change in the detection line and the result is positive. When the concentration of Foot and Mouth Disease Virus Type Asia I antibody in the sample solution is less than the detection limit, there is no color change in the detection line and the result is negative.

Kit Components

- Test cassettes with pipettes: 40
- Sample diluent: 1 vial
- Antibody titer color card: 1

Material Required But Not Provided

- Timer

Sample preparation

- Serum samples should be collected using conventional methods and stored between 2-8 °C for short-term storage (up to 1 week) or -20 °C for long-term storage. Whole blood should be anticoagulated and tested immediately or stored at 2-8 °C for up to 24 hours. Fresh samples are recommended. Avoid repeated freeze/thaw cycles, bacterial pollution, visible particles; and avoid cloudy, hemolytic, or viscous samples.

Assay procedure

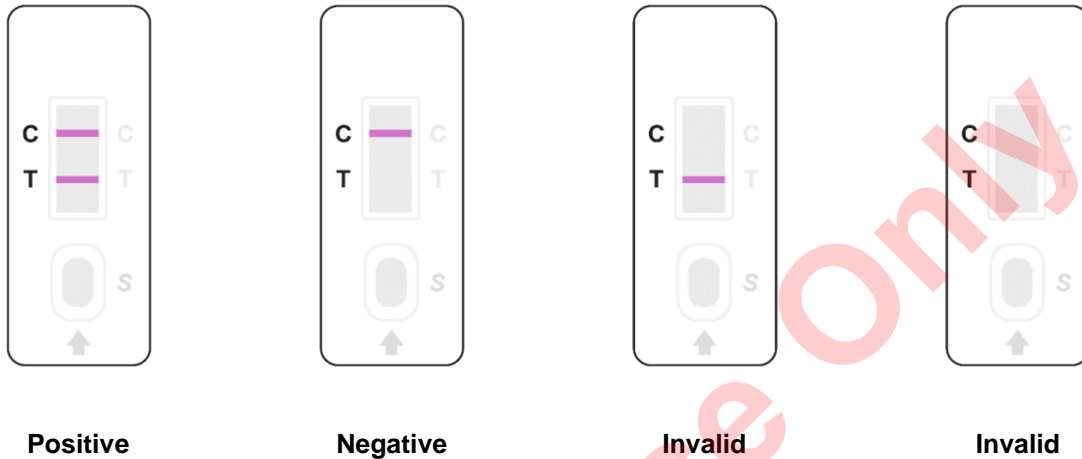
1. Take a test cassette and lay it flat on a clean table. Using the provided pipette, slowly and vertically add 2-3 drops (approximately 60 µl) of sample to the sample well on the test cassette. Avoid foaming.
2. Leave at room temperature for 10-20 min, then analyze the result.

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Results analysis

- **Positive result:** A colored line is observed in both the control (C) section and the test (T) section.
- **Negative result:** A colored line is observed in the control (C) section but not the test (T) section.
- **Invalid result:** No colored line is observed in the control (C) section.



If the animal has not been immunized with a FMD – Asia I vaccine:

- A negative result indicates that there is no FMD-ASIA I antibodies present in the sample. If the animal is exhibiting acute symptoms, FMD-ASIA I infection cannot be excluded.
- A positive result indicates that the animal may be infected with FMD-ASIA I. It is recommended to use another detection method to confirm and analyze the result.

If the animal has previously been immunized with a FMD-ASIA I vaccine:

- If the color of the test line \geq 1:32 titer of the color card, the result indicates that the animal has sufficient levels of protective FMD-ASIA I antibodies.
- If the color of the test line $<$ 1:32 of the color card, the result indicates that the animal may have insufficient protective FMD-ASIA I antibodies.

Notes

1. The test cassettes should be brought to room temperature before use.
2. After opening the aluminum foil, use the test cassette as soon as possible.
3. Samples should be clear with no visible particles, turbidity or bacterial pollution.
4. Do not mix or re-use the disposable pipettes to avoid cross-contamination.
5. Do not use water, PBS, or similar solutions as the negative control.
6. Avoid touching the cassette membrane through the sample well or test result window.
7. quantitative results.
8. All waste should be disposed appropriately. Please note that you may need to follow special waste disposal procedures for infectious samples. Please check local disposal regulations.