

**Instructions for Use**

Version: 1.0.2  
Revision date: 6-Jan-23

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**Foot and Mouth Disease Virus Antigen Rapid Test Kit**

**Catalog No.:** abx092115

**Size:** 40 tests

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

**Application:** For qualitative detection in blister fluid in Pig, Cow, Goat and Sheep.

**Introduction and assay principle**

Abbexa's Foot and Mouth Disease Virus Antigen Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Foot and Mouth Disease Virus Antigen present in the samples combines with the colloidal gold particle-labelled Foot and Mouth Disease Virus Antigen antibody. When the concentration of Foot and Mouth Disease Virus Antigen 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 Antigen 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: 40 vials

**Material Required But Not Provided**

- Timer

**Sample preparation**

- Blister Fluid: Collect the blister fluid of a suspected infected animal using a syringe. Fresh samples are recommended. Avoid bacterial pollution and visible particles, and avoid cloudy, hemolytic, or viscous samples.

**Assay procedure**

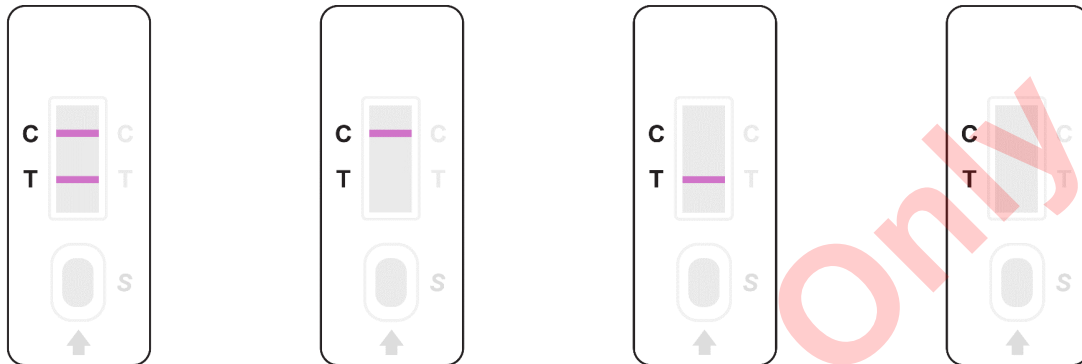
1. Take a test cassette and lay it flat on a clean table. Using the provided pipette, slowly and vertically add 1 drop (about 30 µl) of the blister fluid to the sample well (S) on the test cassette. Avoid foaming.
2. Add 4 drops of Sample diluent to the sample well (S)
3. Leave at room temperature for 10-15 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.



**Positive**

**Negative**

**Invalid**

**Invalid**

### Interpretation of results

- A negative result indicates that there is no FMD antigen present in the sample.
- A positive result indicates that the animal may be infected with FMD. It is recommended to use another detection method to confirm and analyze the result.

### 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. This kit is for qualitative detection of Foot and Mouth Disease Virus in swine, cattle, goat and sheep. For other sample types, a preliminary experiment is recommended to determine compatibility with this kit. Positive samples can be tested with another method (e.g. HPLC, LC/MS) for quantitative results.
8. This kit is for research use only and the results are for reference only.
9. 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.