

Instructions for Use

Version: 2.0.1
Revision date: 19-Sep-23

Foot and Mouth Disease Virus NSP Antibody Rapid Test Kit

Catalog No.: abx092123

Size: 40 tests

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

Application: For qualitative detection of Foot and Mouth Disease Virus NSP Antibody in serum, plasma and whole blood samples from Pig, Cow, Goat and Sheep.

Introduction and assay principle

Foot and Mouth Disease Virus NSP Antibody Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Foot and Mouth Disease Virus NSP Antibody present in the samples combines with the colloidal gold particle-labelled Foot and Mouth Disease Virus NSP Antigen. When the concentration of Foot and Mouth Disease Virus NSP 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 NSP 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

Material Required But Not Provided

- High-precision pipette and sterile pipette tips
- Timer

Sample preparation

- **Serum and plasma samples:** Collect using conventional methods and store between 2-8 °C for short-term storage (up to 1 week) or -20 °C for long-term storage.
- **Whole blood samples:** Samples 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

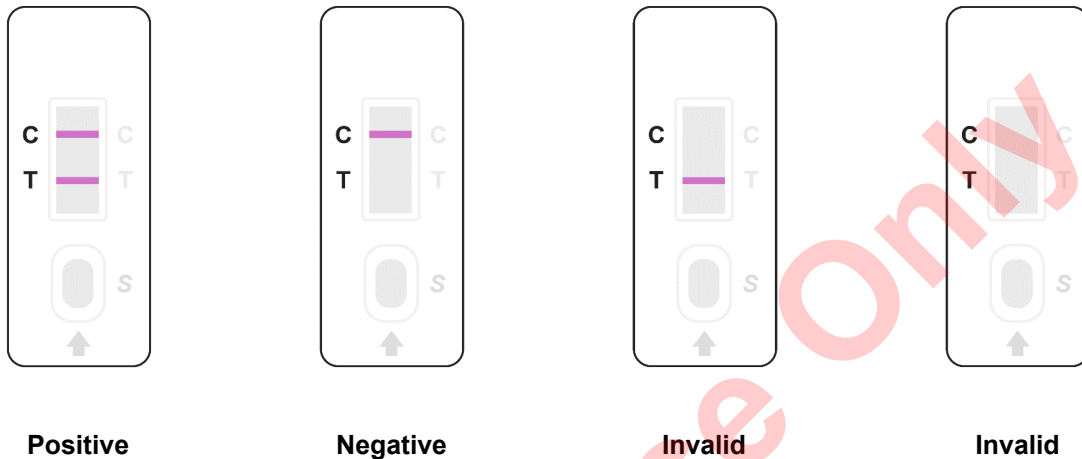
1. Take a test cassette and lay it flat on a clean table. Using the provided pipette, slowly and vertically add 10 µl of sample to the sample well on the test cassette. Avoid foaming.
2. Slowly and vertically add 3 drops of Sample diluent to the sample well on the test cassette. Avoid foaming.
3. Leave at room temperature for 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.



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 NSP Antibody in serum, plasma and whole blood samples from Pig, Cow, 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. It is recommended to use this kit in conjunction with another detection method.
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.