INTENDED USE

The Foot and Mouth Disease Virus Non-Structural Protein Antibody Rapid Test (FMDV- NSP Ab) is a lateral flow immunochromatographic assay for the qualitative detection of infected viral FMDV antibodies in cattle's serum, plasma. FMDV 3ABC recombinant was applied in this assay.

Assay Time: 5-10 minutes

Specimen: serum, plasma

PRINCIPLE

The FMDV-NSP Ab Test is based on sandwich lateral flow immunochromatographic assay. The test device has a testing window for the observation of assay running and result reading. The testing window has an invisible T (test) zone and a C (control) zone before running the assay. When the treated sample was applied into the sample well on the device, the liquid will laterally flow through the surface of the test strip and react with the pre-coated FMDV 3ABC antigens. If there are anti-3ABC antibodies in the specimen, a visible T line will appears. The C line should always appear after a sample is applied, which indicates a valid result. By this means, the device can accurately indicate the presence of FMDV 3ABC antibodies in the specimen.

REAGENTS AND MATERIALS

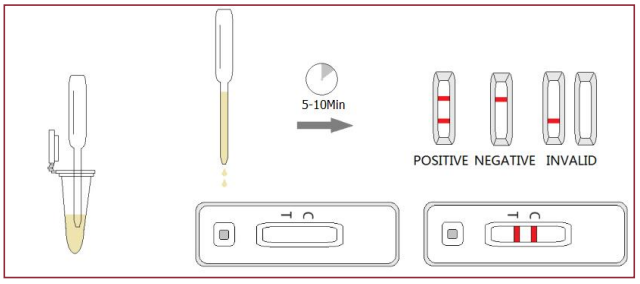
- 10 test pouches, with cards and disposable droppers
- 1 package insert

STORAGE AND STABILITY

The kit can be stored at room temperature (2-30°C). The test kit is stable through the expiration date (18 months) marked on the package label. DO NOT FREEZE. Do not store the test kit in direct sunlight.

TEST PROCEDURE

- Collect cattle's fresh whole blood, and get the serum or plasma specimen for use. Immediately apply the testing once collected the specimen.
- Take out the test device from the foil pouch and place it horizontally.
- Place 2 drops (around 70μL) of serum or plasma specimen into the sample well. Start timer and wait for result.
- Interpret the result in 5-10 minutes. Result after 15 minutes is considered as invalid.



INTERPRETATION OF RESULTS

- Positive: The presence of both "C" line and zone "T" line, no matter T line is clear or vague.
- Negative: Only clear C band appear. No T band.
- Invalid: No colored band appears in C zone. No matter if T band appears.

PRECAUTIONS

- All reagents must be at room temperature before running the assay.
- Do not remove test cassette from its pouch until immediately before use.
- Do not use the test beyond its expiration date.
- The components in this kit have been quality control tested as standard batch unit. Do not mix components from different lot numbers.
- All specimens are of potential infection. It must be strictly treated according to the rules and regulations by local states.

LIMITATION

FMDV-NSP Ab Test is for in vitro veterinary diagnosis use only. All result should be considered with other clinical information available with veterinarian. It is suggested to apply a further confirmative method when positive result was observed.

Manufacturer:
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