Porcine TGEV-PEDV-ROTA Ag Combo Test

Porcine Transmissible Gastroenteritis virus-Epidemic Diarrhea Virus-Rota Virus Antigen Combo Test

INTENDED USE

The Porcine TGEV-PEDV-ROTA Ag Combo Test is a lateral flow immunochromatographic assay for the qualitative detection of Porcine Transmissible Gastroenteritis virus antigen (TGEV Ag), Epidemic Diarrhea Virus antigen (PEDV Ag) and Rota Virus antigen (ROTA Ag) in pig's feces specimen.

Assay Time: 5-10 minutes

Specimen: feces

PRINCIPLE

The Porcine TGEV-PEDV-ROTA Ag Combo 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 monoclonal antibodies. If there is target antigen in the specimen, a visible T line will appear. 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 TGEV antigen, PEDV antigen or ROTA antigen in the specimen.

REAGENTS AND MATERIALS

- 10 test pouches, with cards and disposable droppers
- 10 vials of assay buffer
- 10 bags of swab stick
- 1 package insert

STORAGE AND STABILITY

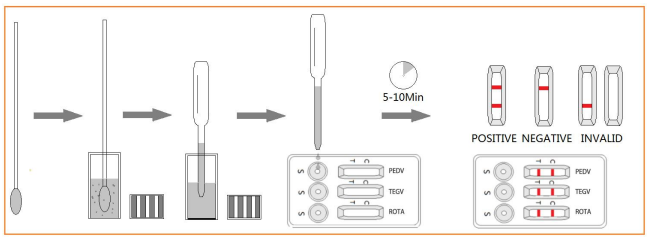
The kit can be stored at room temperature (2-30°C). The test kit is stable through the expiration date (18 months) marked on the package label. DO NOT FREEZE. Do not store the test kit in direct sunlight.

TEST PROCEDURE

- Collect pig or piglet's feces with the swab from the anus or from the ground.
- Insert the swab into the provided assay buffer tube. Agitate it to get efficient sample extraction.
- Allow all materials, including specimen and test device, recover to 15-25°C before running the assay.
- Take out the test device from the foil pouch and place it horizontally.
- Suck the treated sample extraction from the assay buffer tube and place 4 drops into the sample well "S" of the test device.

Note: If the liquid will not flow through the surface of the test strip in 30 seconds, please add another drop of the treated sample extraction.

- 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 line appears. No T line.
- **Invalid:** No colored line appears in C zone. No matter if T line 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

The Porcine TGEV-PEDV-ROTA Ag Combo 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 such as PCR when positive result was observed.

Manufacturer:
Hangzhou Evegen Biotech Co., LTD
NO.578, 20th Street, Qiantang District, Hangzhou, Zhejiang 310018 China

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