

Porcine Reproductive and Respiratory Syndrome Virus Antibody Rapid Test

Catalog No.: JIP505

INTENDED USE

The Porcine Reproductive and Respiratory Syndrome Virus Antibody Rapid Test is a lateral flow immunochromatographic assay for the qualitative detection of Porcine Reproductive and Respiratory Syndrome Virus Antibody (PRRSV Ab) in pig's serum, or plasma specimen.

Assay Time: 5-10 minutes

Specimen: serum, plasma, or milk specimen.

PRINCIPLE

The Porcine Reproductive and Respiratory Syndrome Virus Antibody Rapid 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 hole on the device, the liquid will laterally flow through the surface of the test strip and react with the pre-coated PRRSV antigens. If there are anti-PRRSV antibodies 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 indicate the presence of Porcine Reproductive and Respiratory Syndrome Virus antibodies in the specimen.

REAGENTS AND MATERIALS

- 20 Test devices
- Disposable droppers
- 1 Products Manual

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.

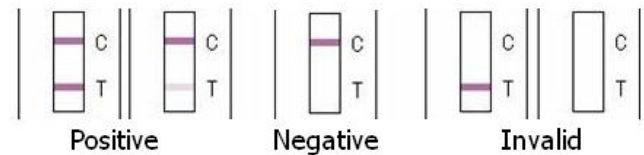
TEST PROCEDURE

- Collect pig'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 3 drops (approx. 120µL) of serum or plasma

specimen into the assay sample hole "S".

- Interpret the result in 5-10 minutes. Result after 10 minutes is considered as invalid.

INTERPRETATION OF RESULTS



Negative: Only clear C band appear. No T band. It indicates that the titer of PRRSV antibody in the specimen is below 1:40.

Positive: The presence of both "C" line and zone "T" line. It indicates that the titer of PRRSV antibody in the specimen is above 1:40. The deeper the color, the higher the titer.

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

Porcine Reproductive and Respiratory Syndrome Virus Antibody Rapid Test is for in vitro veterinary diagnosis use only. The result is considered as qualitative result. If quantitative result is required, other method such as ELISA or IFA should be carried.



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