Porcine Reproductive and Respiratory Syndrome Virus Antibody Rapid Test Kit

Catalog No.: abx092021

Size: 40 tests

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

Application: For qualitative detection in pig serum, plasma and whole blood.

Introduction and assay principle

Abbexa's Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) Antibody Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Porcine Reproductive and Respiratory Syndrome Virus Antibody present in the samples combines with the colloidal gold particle-labelled marker. When the concentration of Porcine Reproductive and Respiratory Syndrome Virus 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 Porcine Reproductive and Respiratory Syndrome Virus 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
- Antibody titer color card: 1

Material Required But Not Provided

- Timer

Sample preparation

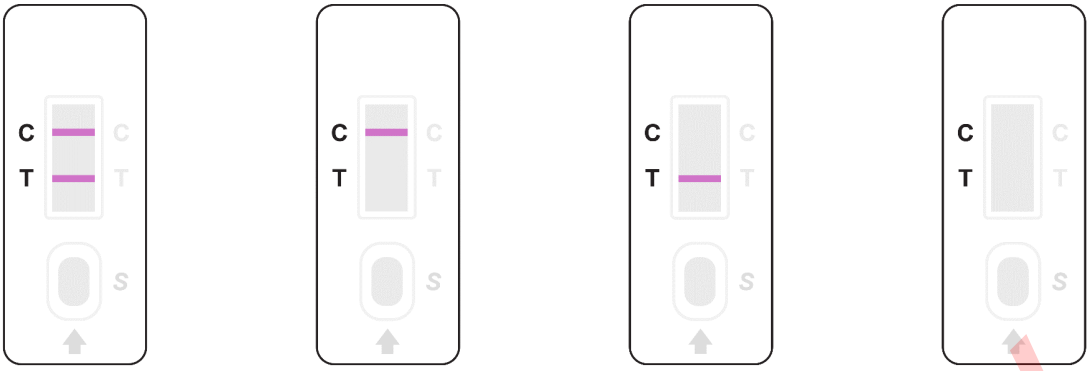
- Serum and plasma samples should be collected using conventional methods and stored between 2-8 °C for short-term storage (up to 1 week) or -20 °C for long-term storage.
- Whole blood should be anticoagulated and tested immediately or stored at 2-8 °C for up to 24 hours.
- Fresh samples are recommended. 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 6 drops (approximately 120 µl) of sample to the sample well on the test cassette. Avoid foaming.
2. Leave at room temperature for 10-20 min, then analyze the result.

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**

If the animal has not been immunized with a PRRSV vaccine:

- A negative result indicates that there are no PRRSV antibodies present in the sample. If the animal is exhibiting acute symptoms, PRRSV infection cannot be excluded.
- A positive result indicates that the animal may be infected with PRRSV. It is recommended to use another detection method to confirm and analyze the result.

If the animal has previously been immunized with a PRRSV vaccine:

- If the color of the test line ≥ 20-40 titer of the color card, the result indicates that the animal has sufficient levels of protective PRRSV antibodies.
- If the color of the test line < 20-40 of the color card, the result indicates that the animal may have insufficient protective PRRSV antibodies.

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 Porcine Reproductive and Respiratory Syndrome Virus Antibody in pig serum, plasma and whole blood samples. For other sample types, a preliminary experiment is recommended to determine compatibility with this kit.
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.