

Peste des Petits Ruminants Virus Antibody Rapid Test

Intended use

The Peste des Petits Ruminants Virus Antibody Rapid Test is a rapid test for the detection of PPR virus. It is an immunochromatographic assay for the qualitative diagnosis of Peste des Petits Ruminants Virus Antibody (PPR Ab) in sheep's serum or plasma specimen. Assay Time: 5-10 minutes.

Principle

The Peste des Petits Ruminants 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 well on the device, the liquid will laterally flow through the surface of the test strip and react with the pre-coated PPR antigens. If there are PPR 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 accurately indicate the presence of Peste des Petits Ruminants Virus Antibody (PPR Ab) in the specimen.

Reagents and materials

- Test devices, with disposable droppers
- Products Manual

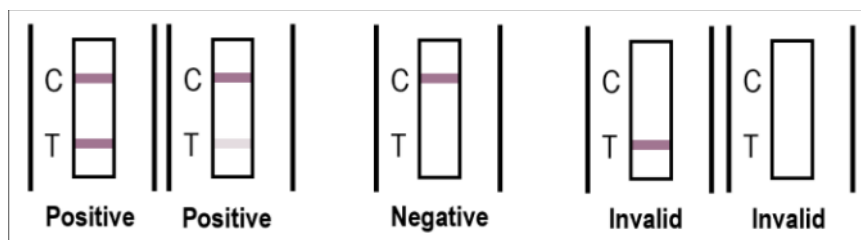
Storage and stability

The kit can be stored at room temperature (4-30 °C). The test kit is stable through the expiration date marked on the package label. DO NOT FREEZE. Do not store the test kit in direct sunlight.

Test procedure

- Collect sheep's fresh whole blood, get the serum or plasma specimen for use. Immediately apply the testing once collected the specimen. If not use right now, keep storage at 2-8 °C. If the storage time is more than 24 hours, the specimen should be frozen at -20 °C.
- Allow all materials, including specimen and test, to recover at 15-25 °C before running the assay.
- Take out the test device from the foil pouch and place it horizontally.
- Place 3 drops (approx. 120 µL) of serum or plasma specimen into the sample well of the test device.
- 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 if "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 treated according to the local rules and regulations.

Limitation

The Peste des Petits Ruminants Virus Antibody Rapid Test is for in vitro veterinary diagnosis use only. All results should be considered with other clinical information available from veterinarians. It is suggested to apply a further confirmative method when positive results are observed.

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