



Life TechnologiesTM
Your Molecular & Cell Technology Partner

LT500RRBZ4

PESTE DES PETITS RUMINANTS VIRUS ANTIGEN RAPID TEST

Research Use Only

For *in vitro* applications - not for consumption

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VERSION 1.2B

1.INTENDED USE AND PRINCIPLE

The Peste des Petits Ruminants (PPR) Virus Antigen Rapid Test kit is a quick-to-use immuno-chromatographic method to detect PPR Virus antigen in serum, plasma, eye and nose secretions qualitatively. After adding the test sample, the sample moves along with the colloidal gold labelled PPR Monoclonal antibody, if there is PPR antigen in the sample, it combines with immobilized antibody on T line and shows wine-red color; if there is no PPR antigen, then no color reaction occurs.

2.KIT CONTENTS

PPR Ag test card [40 pieces]

Sterile Cotton Swab [40 pieces]

Dropper [40 pieces]

Sample Buffer [40 bottles]

Manual [1 piece]

Specifications: 40 tests/kit

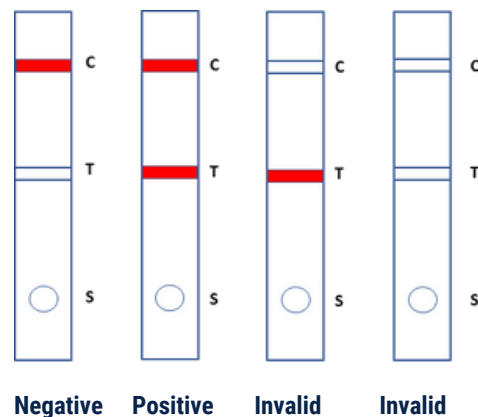
Storage: 4-25°C in dark, sealed, dry place. The shelf life is 24 months.

3.PROCEDURE

1. Wet a cotton swab with normal saline, collect secretions from the eyes, nose, and mouth. Immediately insert the cotton swab into the test tube containing the sample buffer. Rotate the cotton swab on the test tube wall at least 10 times repeatedly and mix the solution. Make the specimen as soluble as possible in the buffer. Squeeze the cotton swab on the wall of the test tube above the liquid surface to make the liquid squeeze out as much as possible. Then discard the cotton swab.

2. Or collect serum or plasma, use dropper to drop two drops of sample serum or plasma into the sample buffer and mix it well.
3. Open the package, take out test card, put it on clean, flat desk. Use dropper to absorb the sample, add 5 drops of sample into "S" marked well slowly drop by drop.
4. At this time, the wine red liquid flows through the observation window. If the liquid is not flowing, gently press the area between the "sample hole" and the "observation window" to help the liquid release.
5. See the result in 10-15 min, result is invalid beyond 15min.

4.RESULT



Negative (-): Pink/Red/Purple colored band is visible only on Control Line (C Line) but not on Test Line (T Line), should be inferred as the absence of PPR Virus Ag in the tested sample. Or the Ag level is lower than the detection threshold.

Positive (+): Pink/Red/Purple colored band is visible on both Control Line (C Line) and Test Line (T Line), should be inferred as the presence of PPR Virus Ag in the tested sample.

Invalid: If No color is seen in Control Line (C Line) then irrespective of presence or absence of colored band on T Line, the test is invalid. Another kit should be used for testing.

5.NOTE

- 1) Do not touch the white membrane surface in the middle of test card.
- 2) Bring all the reagents and sample at room temperature before use. When the test card is unsealed, it must be used in 1 hour of taking it out.
- 3) Avoid repeated freezing and thawing of samples. Collected samples should be immediately tested. Avoid long-term storage.
- 4) The collection of samples directly affects the accuracy of detection, so ensure that the samples are collected correctly and adequately.
- 5) Avoid bubble when adding samples to the wells of the test card.
- 6) The test results are for reference only, for confirmation, please refer to the relevant national standard methods.

6.OTHER QUESTIONS

1.Which sample works well?

In the early stages of infection, it is better to take blood as a sample. When there are no symptoms such as stomatitis, pneumonia, and diarrhea in the early stage of infection, virus exists only in the blood. If you have suspected that the disease has occurred, it is more convenient to use eye, nose and mouth secretions.

2. What are the limitations of this product?

This reagent is a qualitative screening reagent, which can detect the ruminant petunitis antigen very accurately. However, if the sample is insufficient or the antigen concentration is lower than the sensitivity of the reagent, the negative result may occur. The doctor should make a diagnosis after considering all the clinical symptoms. An accurate clinical diagnosis should not be based on a single test result.

3.What is the sensitivity and specificity of this product?

Compared with other similar rapid test cards, the sensitivity of this test card to detect PPR antigens is > 99%, and the limit of positive results is between 10³-10⁴TCID₅₀ / ml. There are no cross-reactions with similar symptoms of sheep pox, bluetongue, and foot-and-mouth disease.

4.Did you get a positive reaction when tested after the vaccination?

Attenuated vaccines may increase the virus in the body during immunization and may show a positive response. However, this phenomenon disappears 3–10 days after the vaccination.

7.TROUBLESHOOTING

We understand research is challenging as it is but it can get very frustrating when experiments themselves don't go as they should. That is the precise reason why we strive to ensure that all our products work for the application shown in their respective data sheets.

Still if you have any concerns please feel free to write to us at customerservice@lifetechindia.com



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