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**SKU IP100151**  
**LT98002AYSL**

# **PESTE DE PETITS RUMINANTS VIRUS ANTIBODY RAPID TEST**

**Research Use Only**

**For *in vitro* applications - not for consumption**

**1800-120-2434**

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**VERSION 1.2B**

# INTENDED USE

The Peste des Petits Ruminants (PPR) Virus Antibody Rapid Test kit is a quick-to-use immuno-chromatographic technique to detect PPR Virus Antibody in goat and sheep serum and whole blood qualitatively.

# KIT CONTENTS

PPR Ab test card [50 pieces]

Dropper [50 pieces]

Manual [1 piece]

Specifications: 50 tests/kit

Storage: 4-25°C in dark, sealed, dry place.

Expiry: Mentioned on the box

# SUMMARY AND PRINCIPLE

When the sample is added in the well 'S', PPR Virus Ab, if present in the sample combines with the free antigens coated with gold nanoparticles, forming antigen-antibody complex which moves towards the other end of test card by capillary action.

When this complex reaches the T-line, where PPR Virus Ab specific antibodies are *immobilized*, it captures the antigen-antibody complex and a colored band is formed at T line. In the absence of PPR Virus Ab, no colored band formation occurs at T line.

The C line has immobilized antibody which binds to the gold labeled antigens that have reached to the other end by capillary action, forming a colored band at C line.

*This test kit cannot be used to distinguish antibody produced by wild virus infection or vaccine immunization.*

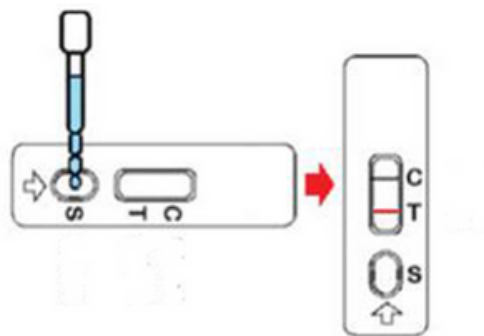
# SAMPLE PREPARATION

**Serum:** Collect blood, put at 37°C for 1-2 hours. Take the supernatant, centrifuge at 1500 r/min for 10 min to separate the serum. The serum can be stored for 2-3 days at 4°C. However, for long term storage, keep at -20°C.

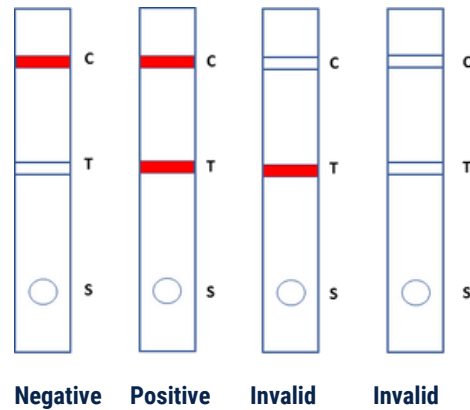
**Whole blood:** Collect anticoagulated whole blood and use it to test on the same day.

# PROCEDURE

- 1) Read the manual carefully and bring the test card and sample to room temperature before use.
- 2) Take out test card, use dropper to take the prepared sample, add 2-3 drops into well marked "S".
- 3) Read the results in 10-15 minutes at room temperature. The result is invalid after 20 minutes.



# 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 Ab in the tested sample. Or the Ab 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) then it should be inferred as the presence of PPR Virus Ab 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.

## NOTE

- 1) The test card can be used only once at room temperature, do not reuse or use test card out of expiry date.
- 2) Bring all the reagents and sample at room temperature before use. When the test card is unsealed, please use it as soon as possible.
- 3) Do not use water or other liquids as a negative control for testing.
- 4) Avoid repeated freezing and thawing of samples.
- 5) Be careful when preparing the sample. Wear glove and mask.
- 6) This product is only for in vitro rapid diagnostic veterinary use, cannot be quantified, do only qualitative testing.
- 7) The product test results for reference only, for confirmation, please refer to the relevant national standard methods.

## 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](mailto:customerservice@lifetechindia.com)



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