

**Instructions for Use**

Version: 2.0.1  
Revision date: 26-Oct-23

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**Peste des Petits Ruminants Virus Antigen Rapid Test Kit**

**Catalog No.:** abx092174

**Size:** 40 tests

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

**Application:** For qualitative detection of Peste des Petits Ruminants Virus in goat or sheep serum, plasma, pharyngeal secretions and nasal secretions.

**Introduction and assay principle**

Abbexa's Peste des Petits Ruminants Virus Antigen Rapid Test Kit is based on the gold immunochromatography assay (GICA) principle. Any Peste des Petits Ruminants Virus Antigen present in the samples combines with the colloidal gold particle-labelled Peste des Petits Ruminants Virus antibody. When the concentration of Peste des Petits Ruminants Virus Antigen 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 Peste des Petits Ruminants Virus Antigen 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 (40 tests)**

- Test cassettes with pipettes: 40
- Cotton swab: 40
- Sample diluent: 40 vials

**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. Fresh samples are recommended. Avoid repeated freeze/thaw cycles, bacterial pollution, visible particles; and avoid cloudy, hemolytic, or viscous samples. Add 2 drops (approximately 40 µl) of serum or plasma to the Sample Diluent tube. Mix fully.
- **Pharyngeal and nasal secretions:** Use a cotton swab to collect the pharyngeal or nasal secretion samples. Insert the swab into the Sample Diluent tube. Mix the swab until the sample has dissolved. This takes approximately 10 seconds. Wait for 1 minute to let the large particles settle.

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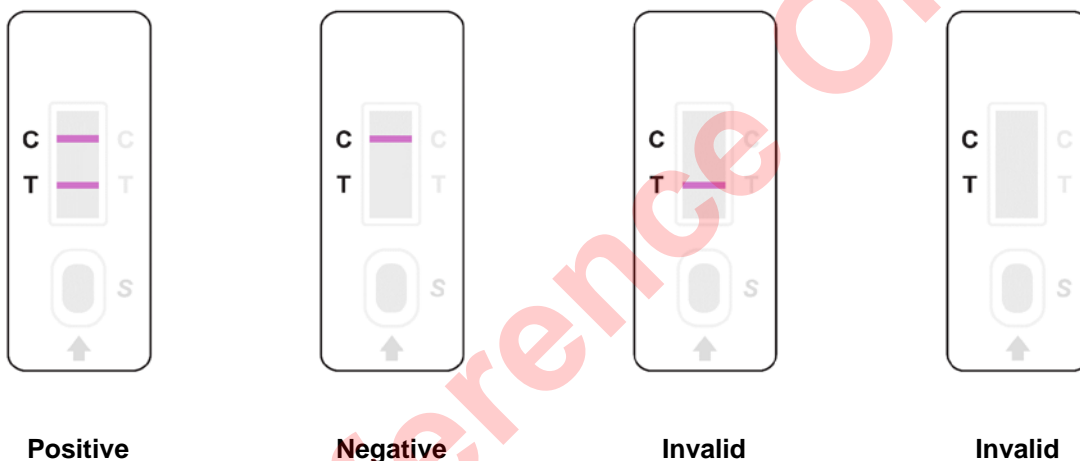
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### Assay procedure

1. Bring samples, test cassettes and sample diluent to room temperature prior to testing.
2. Take a test cassette and lay it flat on a clean table. Using the provided pipette, slowly and vertically add 5 drops (approximately 100  $\mu$ l) of diluted sample to the sample well on the test cassette. Avoid foaming.
3. Leave at room temperature for 10-15 minutes, 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.



### 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 Peste des Petits Ruminants Virus Antigen in goat and sheep serum, plasma, pharyngeal secretions and nasal secretions. For other sample types, a preliminary experiment is recommended to determine compatibility with this kit. Positive samples can be tested with another method (e.g. HPLC, LC/MS) for quantitative results.
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.