

Goat and Sheep Peste des Petits Ruminants Virus Antigen Lateral Flow Assay Kit

Catalog No: E-AD-C078

40T

Version Number: V1.2
Replace version: V1.1
Revision Date: 2024.03.14

This manual must be read attentively and completely before using this product.

If you have any problems, please contact our Technical Service Center for help.

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Email: techsupport@elabscience.com

Website: www.vetassay-elab.com

Please kindly provide us the lot number (on the outside of the box) of the kit for more efficient service.

Test principle

This kit applies the principle of Immunochromatography assay. The sample will move together with the colloidal gold marker along the chromatography membrane. If Peste des Petits Ruminants Virus Antigen exist in the samples, it will combine with the colloidal gold marker and the antibody in the detection line, and then it will show a color. Otherwise, it will not show the color reaction.

Kit components

Item	Specification
Detection Card (with disposable dropper)	40T
Sample Diluent	40 vials
Cotton Swab	1 package
Manual	1 copy

Note: All reagent bottle caps must be tightened to prevent evaporation and microbial pollution.

Notes

1. FOR RESEARCH USE ONLY. Please read the manual carefully before use, changes of operation may result in unreliable results.
2. Do not use product out of date or in a broken aluminum foil, kit is disposable and cannot be used repeatedly.
3. The detection card should be brought to room temperature before opening after take it out from the refrigerator. The opening detection card should be used as soon as possible.
4. Do not use water, PBS or serum of other animals or other 'not required by sample' liquid as the negative control.
5. The tested sample should be fresh and clear. Avoid of using samples of turbidity, polluted, high hemolysis or abnormal viscous.
6. Avoid of touching the chromatography membrane of the sample well and test well.
7. The waste of experiment should be considered as contaminant, and must be properly handled according to the local regulations.
8. Each reagent is optimized for use in the E-AD-C078. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-AD-C078 with different lot numbers.

Storage and expiry date

Storage: Store at 2-30°C. With cool and dry environment.

Expiry date: expiration date is on the packing box.

Sample preparation

1. Pharyngeal secretions, Nasal secretions

- 1.1 Use cotton swab to collect pharyngeal secretions or nasal secretions samples.
- 1.2 Insert the swab into the **Sample Diluent** tube and mix the swab until the sample has been dissolved into the assay diluent (Approximately 10 sec).
- 1.3 Wait for 1 minute to settle down the large particles.

2. Serum/plasma:

- 2.1 Use the conventional method to prepare serum/plasma, the serum/plasma must be clear, no hemolysis and no pollution. Samples can be conserved at 2-8°C in 1 weeks, and it should be stored at - 20°C for a long term storage.
- 2.2 Add 2 drops (about 40 µL) of serum or plasma samples to the **Sample Diluent**, mix fully, make the sample solution stand for later use.

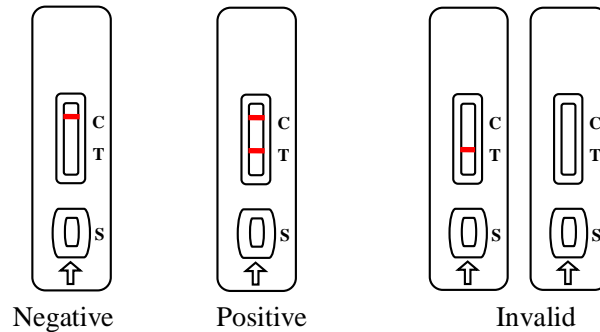
Assay procedure

Allow all kit components and sample to reach room temperature prior to testing.

1. Tear the aluminum foil bag of the detection card and take out the detection card, and put it on a smooth, clean table.
2. Take the sample supernatant with the disposable dropper, add 5 drops (about 100 µL) of sample to the sample well vertically and slowly (Avoid foaming).
3. Incubate for 10 to 15 minutes and then judge the results immediately.

Judgment of result

1. **Negative:** Only the control line region (C) shows a line in the observation well.
2. **Positive:** Both the test line region (T) and the control line region (C) show a line in the observation well.
3. **Invalid:** No line shows in the observation well of the control line region (C).



Limitations

1. This kit can be used for qualitative detection of PPRV antigen in goat, sheep.
2. The detection results of this kit are only for reference. For confirmation of the result, please combine the symptoms and other methods of detection, this detection cannot be used as the only criteria for result.