

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

Catalog No: E-AD-C028

40T

Version Number:	V1.1
Replace version:	V1.0
Revision Date:	2026.05.20

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 uses the principle of Immunochromatography assay for the qualitative detection of Peste des Petits Ruminants Virus Antibodies in serum/whole blood sample of goat, sheep. The sample will move together with the colloidal gold marker along the chromatography membrane. If Peste des Petits Ruminants Virus (PPRV) antibody exist in the samples, it will combine with the colloidal gold marker to make the detection line appear a color. Otherwise, it will not show the color reaction.

Kit components

Item	Specification
Detection Card (with disposable dropper)	40T
Antibody titer color card	1 piece
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 Do not use product out of date or in a broken aluminum foil, it is disposable and cannot be used repeatedly.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. Please do not use but not limited to the following liquids for negative control: water, PBS.
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-C028. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-AD-C028 with different lot numbers.

Storage and expiry date

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

Expiry date: expiration date is on the packing box.

Sample preparation

1. **Serum:** Use the conventional method to prepare serum, the serum 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. **Whole blood:** Whole blood samples without anticoagulant should be tested before coagulation. If partial coagulation has occurred, separate serum for testing. Whole blood samples with anticoagulant should be tested within 24 hours and must not be frozen. Freeze-thawing will rupture red blood cells and cause hemolysis, which will seriously affect the test results.

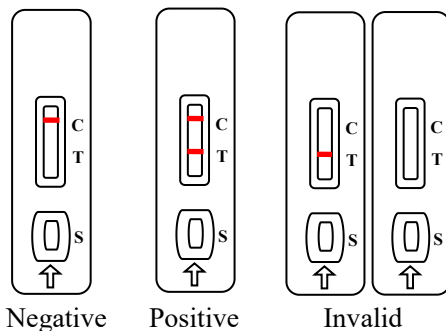
Assay procedure

Allow all kit components and sample to reach room temperature (25°C) 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. Use the matching pipette to draw the prepared clear sample supernatant, add 6 drops (approximately 120 µL) vertically and slowly into the sample well (S); add 7 drops for whole blood samples.
3. Incubate for 10 to 20 minutes and then judge the results immediately. Results obtained after more than 30 minutes are invalid.

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).



Interpretation of the results

1. If the livestock to be tested have not been vaccinated against PPRV:
 - (1) A negative result indicates no PPRV antibodies present in the sample. If the livestock are in healthy condition, timely PPRV vaccination is recommended. If relevant acute clinical symptoms occur, PPRV infection cannot be ruled out.
 - (2) A positive result suggests possible PPRV infection. The result shall be analyzed in combination with clinical symptoms and other detection methods.

2. If the livestock to be tested has been vaccinated against PPRV:
 - (1) If the color of the test line (T) \geq 1:40 titer of the color card, which indicates that the level of antibody is up to the protective level of it.
 - (2) If the color of the test line (T) $<$ 1:40 titer of the color card, which indicates that the level of antibody is not enough to reach to the protective level of it, a second time of vaccination is suggested.

Limitations

1. This kit can only be used for qualitative detection of PPRV antibodies in goat and 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.