7th Edition, revised in April, 2017

（FOR RESEARCH USE ONLY. DO NOT USE IT IN CLINICAL DIAGNOSIS !）

Human Rabies Virus (HRV) IgG Lateral Flow Assay Kit

Catalog No: E-HD-C032
20T/40T

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 Indirect- Immunochromatography method as its principle, and can be used for the qualitative detection of Human Rabies Virus (HRV) IgG in human blood sample. The quality control (C) line is pre-coated with Rabbit polyclonal antibody, and the detection (T) line is pre-coated with HRV antigen. The gold pad is coated with Gold-labeled Staphylococcus -A Protein. HRV IgG in sample will combine with gold-labeled Staphylococcus -A Protein on the detection card and form a gold-labeled Staphylococcus -A Protein - HRV IgG antibody complex. The complex will then move along the detection card and react with the pre-coated HRV antigen on the detection line (T-line) and form the HRV antigen- HRV IgG antibody- Gold-labeled Staphylococcus -A Protein immunological complex, then a visible line will appear in the detection area. If there is no HRV IgG antibody or HRV IgG antibody content is lower than the detection limit, there will be no complex and precipitation line appeared. The quality control line is standard reference to determine whether the chromatography is normal and whether the detection system is effective. The immunological complex and color reaction will occur in the quality control under all conditions, otherwise the detection result is considered invalid and re-test will be required.

Kit components

Item	Specification
Detection Card	20T/40T
Sample Diluent	1 vial
Manual	1 copy

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

Sample preparation

1. The sample must be serum.
2. Serum samples can be stored at 2-8 ℃ temporally for detection, or at -20℃ for long-term storage.
3. Don't use hemolysis, turbidity, hyperlipidemic or polluted samples. Avoid repeated freeze-thaw cycles. Otherwise, it will affect the accuracy of the results.

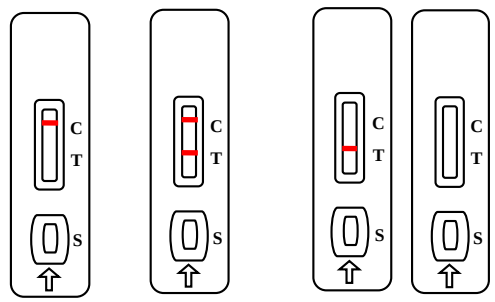
Experiment procedure

Read the manual carefully before detection. The reagent and sample should be adjusted to room temperature before (25℃) use. The detect card cannot be opened before the experiment condition is ready.

1. Take out the detection card and put it on a clean table. The detection card must be used in 30 min after opening the aluminum foil.
2. Add 10 μL of serum to the sample well, then add 1 drop of **sample diluent** into the sample well verticality and slowly.
3. Incubate for 15 to 20 minutes and then judge the results immediately.

Judgment of result

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



Negative Positive Invalid

Interpretation of results

1. **Positive result:** The sample contains HRV IgG, and clinical information needs to be combined to determine whether the patient has been infected with HRV.
2. **Negative result:** No HRV IgG was detected in the sample, or the content is too low to the detection limit. The possibility of being infected can not be completely excluded at this situation.

Limitations of this test method

1. This product is for qualitative detection of HRV IgG in human serum sample, while the effect of plasma and other samples is not clear.
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.

Notes

1. 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-HD-C032. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-HD-C032 with different lot numbers.

Storage and expiry date

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

Expiry date: expiration date is on the packing box.