

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

## **Human Herpes Simplex Virus Type II (HSV- II ) IgG Lateral Flow Assay Kit**

Catalog No: E-HD-C025

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](mailto:techsupport@elabscience.com)

Website: [www.vetassay-elab.com](http://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-GICA (Gold Immunochromatography) method as its principle, and can be used for the qualitative detection of Herpes Simplex Virus Type II (HSV-II) IgG in human serum. The quality control (C) line is pre-coated with Protein-A antibody, and the detection (T) line is pre-coated with HSV-II antigen. The gold pad is coated with Gold-labeled Protein-A. HSV-II IgG in sample will combine with gold-labeled Protein-A on the detection card and form a gold-labeled Protein-A - HSV-II IgG antibody complex. The complex will then move along the detection card and react with the pre-coated HSV-II antigen on the detection line (T-line) and form the HSV-II antigen-HSV-II IgG antibody- Gold-labeled Protein-A immunological complex, then a visible line will appear in the detection area. If there is no HSV-II IgG antibody or HSV-II 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 vials
Manual	1 copy

## Sample preparation

1. The sample must be human serum.
2. 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 2 days, and it should be stored at - 20°C for a long term storage.
3. Heat treated samples may interfere the detection result.
4. Avoid of samples with hemolysis, turbidity, lipidemia, bacterial or polluted and repeated frozen/thawed samples, which will cause false-positive results.

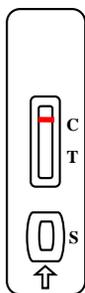
## Assay procedure

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

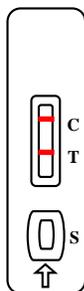
1. Tear the aluminum foil bag of the detection card and take out the detection card, and put it on a smooth, clean table.
2. Add 10 µL of **serum** and 90 µL of **sample diluent** (about 2~3 drops) to the sample well vertically and slowly (Avoid foaming).
3. Incubate for 15 to 20 minutes and then judge the results immediately.

### Judgment of result

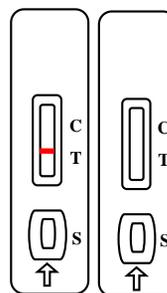
1. **Positive:** Both the test line region (T) and the control line region (C) show a line in the observation well.
2. **Negative:** Only the control line region (C) shows a line in the observation well.
3. **Invalid:** No color line appears in control line (C). It indicates that the operation is wrong or the detection card is invalid, please carry out another detection.



Negative



Positive



Invalid

### Interpretation of results

1. **Positive result:** there is HSV- II IgG antibody in the sample, the result should be combined with other methods to analyze.
2. **Negative result:** there is no HSV- II IgG antibody in the sample. The possibility of being infected cannot be completely excluded at this situation.

### Limitations of this test method

1. This product is for qualitative detection of HSV- II IgG in human serum sample, while the detection effect for plasma samples or samples from other parts is still unclear.
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. 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-HD-C025. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-HD-C025 with different lot numbers.**

## Storage and expiry date

**Storage:** Store at 4-30°C for 1 year. With cool and dry environment, avoid freeze.

**Expiry date:** expiration date is on the packing box.