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

Human Toxoplasma (TOX) IgG Lateral Flow Assay Kit

Catalog No: E-HD-C030

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 principle of Immunochromatography assay, and can be used for the qualitative detection of Toxoplasma (TOX) IgG in human serum. The detection (T) line is pre-coated with genetic recombinant of TOX antigen (SAG2 antigen). TOX IgG in sample will combine with gold-labeled Protein A and form a gold-labeled Protein A-TOX IgG complex. The complex will then move along the detection card and react with the pre-coated TOX antigen on the detection line (T) and form the TOX antigen--TOX IgG antibody--Gold-labeled Protein A complex, then a visible line will appear in the detection area. If there is no TOX IgG antibody or TOX IgG antibody content is lower than the detection limit, there will be no form complex and detection line (T) does not develop color. Control line must be develop color, otherwise the detection result is considered invalid and re-test will be required.

Kit components

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

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

Requirements of sample

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. Heat treated samples may interfere the detection result.
3. Don't use hemolysis, turbidity, hyperlipidemic or polluted samples. Avoid repeated freeze-thaw cycles. Otherwise, it will affect the accuracy of the results.

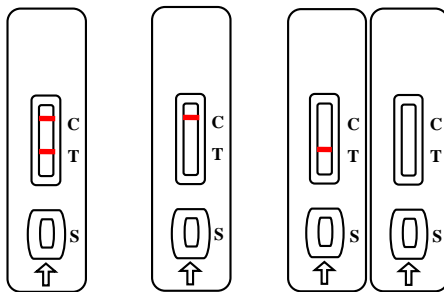
Assay procedure

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. Add 10 µL of **Serum** and 90 µL of **Sample Diluent** to the sample well (S) vertically and slowly.
3. Incubate for 10 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 shows in the observation well of the control line region (C). It indicates that the operation is wrong or the detection card is invalid, please carry out another detection.



Positive

Negative

Invalid

Interpretation of results

1. **Positive result:** The sample contains TOX IgG and the result should be combined with other methods to analyze.
2. **Negative result:** No TOX IgG was detected in the sample, or the content is too low to the detection limit. The possibility of being infected cannot be completely excluded at this situation.

Limitations of this test method

1. This kit can only be used for qualitative detection of TOX IgG in human serum sample.
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.

Each reagent is optimized for use in the E-HD-C030. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-HD-C030 with different lot numbers.

Storage and expiry date

Storage: Store at 4-30°C. With cool and dry environment.

Expiry date: expiration date is on the packing box.