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

Human Cytomegalovirus IgG/IgM, Toxoplasma IgG/IgM, Rubella Virus IgG Lateral Flow Assay Kit

Catalog No: E-HD-C003

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 is composed of nitrocellulose membrane pre-coated with genetic recombinant antigen of Cytomegalovirus, Toxoplasma, Rubella virus and other reagents. It applies the Capture/Indirect-GICA (Gold Immunochromatography) method as its principle, and can be used for the qualitative detection of Cytomegalovirus IgG/IgM, Toxoplasma IgG/IgM, Rubella Virus IgG in human serum. Each detection card constitutes an independent detection unit, which contains five detection strips for CMV IgG/IgM, TOX IgG/IgM and RV IgG respectively.

For CMV/TOX/RV IgG: The detection (T) line is pre-coated with CMV/TOX/RV antigen, and the quality control (C) line is pre-coated with Protein A polyclonal antibody. The gold pad is coated with gold-labeled Protein A.

For CMV/TOX IgM: The detection (T) line is pre-coated with anti-human IgM antibody, and the quality control (C) line is pre-coated with CMV/TOX polyclonal antibody. The gold pad is coated with gold-labeled CMV/TOX antigen.

Kit components

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

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 Do not use product out of date or in a broken aluminum foil, it is disposable and cannot be used repeatedly.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-C003. Do not substitute reagents from any other manufacturer into the test kit. Do not combine reagents from other E-HD-C003 with different lot numbers.

Storage and expiry date

Storage: Store at 4-30°C. With dry condition.

Expiry date: expiration date is on the box.

Requirements of sample

1. The sample must be serum.
2. Whole blood should be used immediately after collecting, and the prepared serum samples can be stored at 2-8 °C temporarily for detection, or at -20°C for long-term storage.
3. Avoid of samples with hemolysis, turbidity, lipidemia, bacterial or polluted and repeated frozen/thawed samples, which will cause false-positive results.

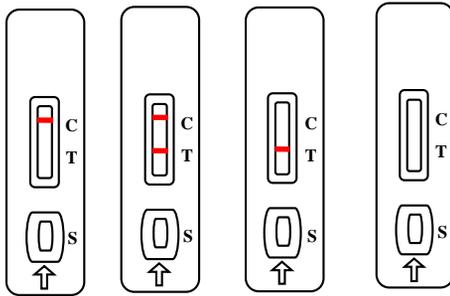
Assay procedure

Read the manual carefully before detection. The reagent and sample should be adjusted to room temperature (15°C to 30°C) before use. The detection card cannot be opened before the experiment condition is ready.

1. Take the detection card out and put it on flat and clean table.
2. Add 10 µL of serum to the sample well and then add 90 µL of **Sample Diluent**.
3. Observe the result within 15-20 min. The result is invalid after 20 min.

Judgment of result

1. **Positive:** Red line appears in both test line (T) and control line (C).
2. **Negative:** Red line only appears in control line (C).
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:** The sample contains CMV IgG/IgM, TOX IgG/IgM and RV IgG, and clinical information needs to be combined to determine whether the patient has been infected CMV, TOX or RV.
2. **Negative result:** No CMV IgG/IgM, TOX IgG/IgM and RV 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

This product is for qualitative detection of CMV IgG/IgM, TOX IgG/IgM and RV IgG in serum only, while the detection effect for whole blood samples, plasma samples or samples from other parts is still unclear.