

Instructions for Use

Version: 1.0.2
Revision date: 10-Mar-23

Human Cytomegalovirus, Toxoplasma, Rubella, Herpes simplex virus type II IgM Rapid Test Kit

Catalog No.: abx092077

Size: 20 tests

Storage: Store all reagents at 2-30 °C. Keep dry.

Application: For qualitative detection of anti-CMV, TOX, RV, and HSV-2 IgM in human serum.

Introduction and assay principle

Abbexa's Human Cytomegalovirus, Toxoplasma, Rubella, Herpes simplex virus type II IgM Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any IgM against these viruses present in the samples combines with colloidal gold particle-labelled viral antigens coated onto a detection line. When the concentration of anti-viral IgM in the sample is more than the detection limit, there is a color change in the detection line and the result is positive. When the concentration of anti-viral IgM in the sample solution is less than the detection limit, there is no color change in the detection line and the result is negative.

Kit Components

- Test cassettes with pipettes: 20
- Sample diluent: 1 vial
- Antibody titer color card: 1

Material Required But Not Provided

- Timer

Sample preparation

- Serum samples should be collected using conventional methods and stored between 2-8 °C for short-term storage (up to 1 week) or -20 °C for long-term storage. Whole blood should be anticoagulated and tested immediately or stored at 2-8 °C for up to 24 hours. Fresh samples are recommended. Avoid repeated freeze/thaw cycles, bacterial pollution, visible particles; and avoid cloudy, hemolytic, or viscous samples.

Assay procedure

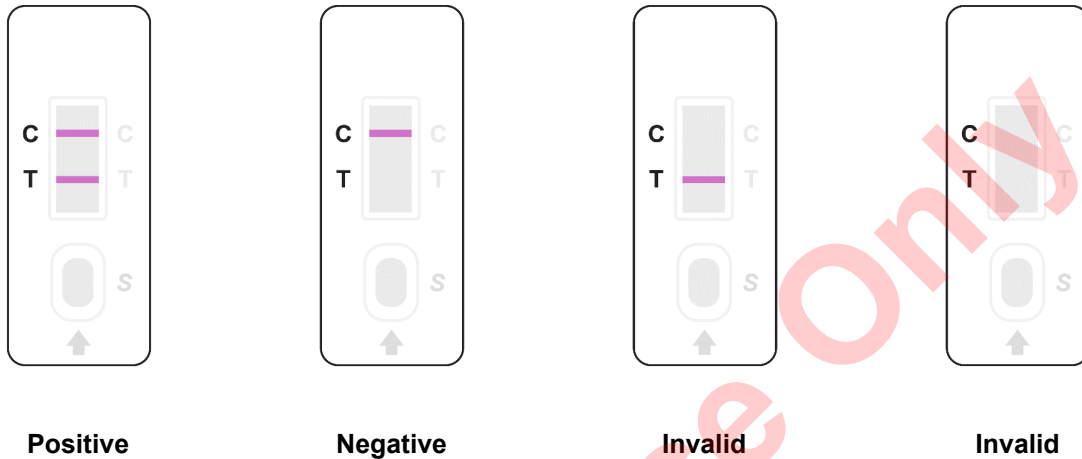
1. Take a test cassette and lay it flat on a clean table. Using the provided pipette, slowly and vertically add 10 µl of serum to the sample well on the test cassette.
2. Then, add 1 drop (approximately 50 µl) of Sample Diluent to the sample well. Avoid foaming.
3. Leave at room temperature for 15 minutes, then analyze the result.

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Results analysis

- **Positive result:** A colored line is observed in both the control (C) section and the test (T) section.
- **Negative result:** A colored line is observed in the control (C) section but not the test (T) section.
- **Invalid result:** No colored line is observed in the control (C) section.



Notes

1. The test cassettes should be brought to room temperature before use.
2. After opening the aluminum foil, use the test cassette as soon as possible.
3. Samples should be clear with no visible particles, turbidity or bacterial pollution.
4. Do not mix or re-use the disposable pipettes to avoid cross-contamination.
5. Do not use water, PBS, or similar solutions as the negative control.
6. Avoid touching the cassette membrane through the sample well or test result window.
7. This kit is for qualitative detection of Anti-HSV IgM in human serum. For other sample types, a preliminary experiment is recommended to determine compatibility with this kit. Positive samples can be tested with another method (e.g. HPLC, LC/MS) for quantitative results.
8. This kit is for research use only and the results are for reference only. It is recommended to use this kit in conjunction with another detection method.
9. All waste should be disposed appropriately. Please note that you may need to follow special waste disposal procedures for infectious samples. Please check local disposal regulations.