

**Instructions for Use**

Version: 2.0.1  
Revision date: 10-May-22

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**Human Cytomegalovirus IgG (CMV IgG) Rapid Test Kit**

**Catalog No.:** abx092099

**Size:** 20 tests

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

**Application:** For qualitative detection in human serum.

**Introduction and assay principle**

Abbexa's Human Cytomegalovirus IgG (CMV IgG) Rapid Test Kit is based on the gold immunochromatography assay (GICA) principle. The control (C) line is precoated with antibodies against Protein A and the test (T) line is precoated with recombinant CMV antigen. Any CMV IgG antibodies present in the sample combines with the colloidal gold particle-labelled Protein A on the sample pad. This complex migrates by capillary action along the cassette. If there are any CMV IgG antibodies present in the sample, they will be captured by the T line and a color change is observed. The C line confirms if the test has been successful.

**Kit components**

- Test Cassettes: 20
- Sample Diluent: 1 vial

**Sample requirements**

- Whole blood samples should be processed immediately after collection. Serum samples should be stored at 2-8 °C for short-term storage or -20 °C for long-term storage.
- Heat-treated samples may interfere with the assay.
- Avoid hemolysis, turbidity, lipidemia, repeated freeze/thaw cycles and samples which contain bacteria or visible particles, as this may cause false positive results.

**Assay procedure**

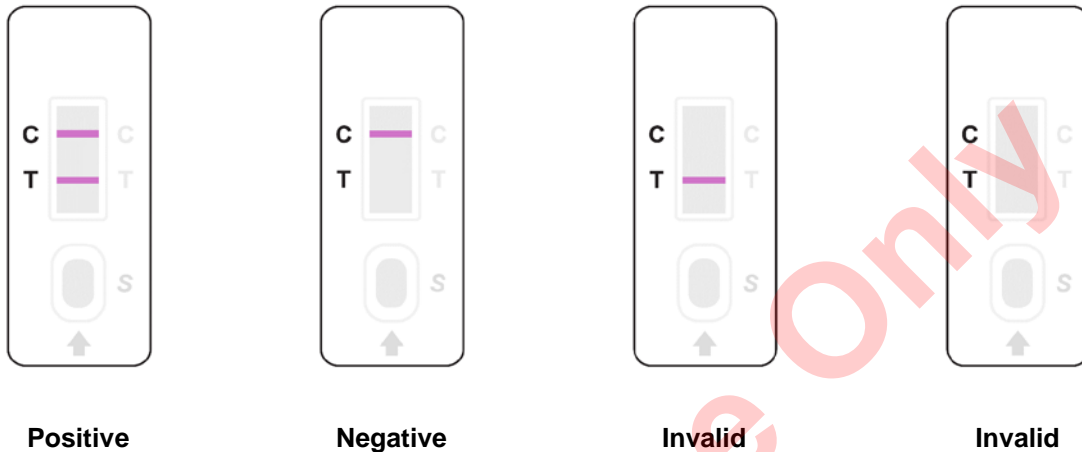
1. Take a Test Cassette and lay it flat on a clean table. Add approximately 10 µl of serum sample to the sample well on the test cassette.
2. Immediately add 2-3 drops (approximately 90 µl) of Sample Diluent to the sample well on the test cassette.
3. Leave at room temperature for 15 min, then analyze the result. The result is invalid after 20 min.

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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. Avoid touching the cassette membrane through the sample well or test result window.
6. This kit is for qualitative detection of CMV IgG in human serum samples. The suitability of this kit with other sample types such as whole blood and plasma has not been tested.
7. Avoid testing samples containing  $\geq 450$  mg/mL hemoglobin,  $\geq 1.6$  mmol/L bilirubin,  $\geq 160$  mmol/L glycerin trilaurate and  $\geq 500$  mg/dL cholesterol, as they may interfere with assay.
8. This kit is for research use only.
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.