

## Instructions for Use

Version: 1.0.3  
Revision date: 20-Dec-22

### Human Respiratory Syncytial Virus IgM (RSV IgM) Rapid Test Kit

**Catalog No.:** abx092086

**Size:** 20 tests

**Storage:** Store all reagents at 4-30 °C. Keep dry.

**Application:** For qualitative detection of Respiratory Syncytial Virus IgM.

#### Introduction and assay principle

Human Respiratory Syncytial Virus IgM (RSV IgM) Rapid Test Kit is based on the gold immunochromatography assay (GICA) principle. Any RSV IgM present in the samples combines with the colloidal gold particle-labelled RSV antigen. When the concentration of RSV 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 RSV 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: 20
- Sample diluent: 1 vial

#### Material Required But Not Provided

- High-precision pipette and sterile pipette tips
- 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. Serum should be extracted from whole blood immediately after collection. Fresh samples are recommended. Avoid repeated freeze/thaw cycles, bacterial pollution, visible particles; and avoid cloudy, hemolytic, or viscous samples.

#### Assay procedure

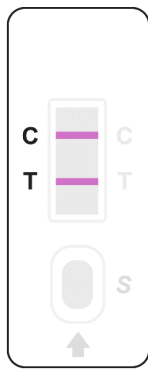
1. Take a test cassette and lay it flat on a clean table. Add 10 µl of sample to the sample well on the test cassette. Using a pipette, slowly and vertically add 2 drops (approximately 100 µl) of sample to the sample well on the test cassette. Avoid foaming.
2. Leave at room temperature for 15-20 min, then analyze the result. The result is not valid after 20 minutes.

#### Results analysis

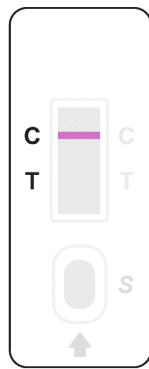
- **Positive result:** A colored line is observed in both the control (C) section and the test (T) section.
- **Negative result:** A colored line is observed in the control (C) section but not the test (T) section.
- **Invalid result:** No colored line is observed in the control (C) section.

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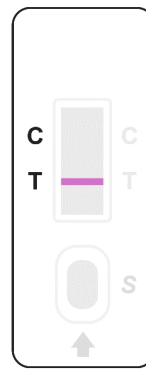
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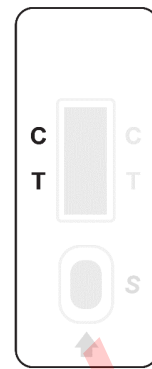
**Positive**



**Negative**



**Invalid**



**Invalid**

### 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 RSV IgM. 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.