

**Instructions for Use**

Version: 1.0.2  
Revision date: 17-May-22

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**Human Mycoplasma pneumoniae IgM Rapid Test Kit**

**Catalog No.:** abx092082

**Size:** 20 tests

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

**Application:** For qualitative detection in human serum or whole blood.

**Introduction and assay principle**

Abbexa's Human Mycoplasma pneumoniae IgM Rapid Test Kit is based on the gold immunochromatography assay (GICA) principle for the detection of human IgM antibodies against Mycoplasma pneumoniae in human serum or whole blood. Any Mycoplasma pneumoniae IgM present in the samples combines with the colloidal gold particle-labelled antigen to produce an antigen-antibody complex. This complex is captured by the anti-human IgM antibody coated on the detection line. When the concentration of Human Mycoplasma pneumoniae 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 Human Mycoplasma pneumoniae 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**

- The sample should be serum or whole blood.
- Samples should have < 500 mg/dL cholesterol, < 50 mg/dL bilirubin, < 500 mg/dL triglycerides and < 500 mg/dL cholesterol, otherwise they may interfere with the assay.
- Whole blood samples should be tested immediately after collection. Serum samples should be stored at 2-8 °C for short-term storage or -20 °C for long-term storage.
- Avoid samples exhibiting hemolysis, turbidity, lipidemia and visible pollution. Avoid repeated freeze/thaw cycles.

**Assay procedure**

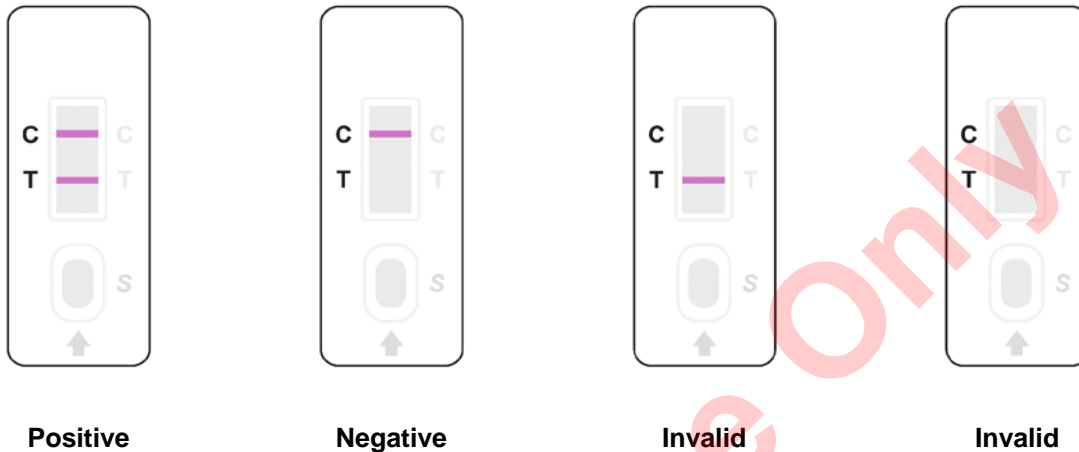
1. Take a test cassette and lay it flat on a clean table. Add 10 µl of serum or 20 µl of whole blood to the sample well on the test cassette.
2. Add 1 drop (50 µl) of Sample Diluent to the sample well on the test cassette.
3. Leave at room temperature for 15-20 min, then analyze the result.

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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 research use only.
8. 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.
9. This kit is for qualitative detection of Human Mycoplasma pneumoniae IgM in human serum or whole blood samples. Suitability for other sample types would need to be determined by the end user.