

## Product Manual

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### Human Chlamydia Pneumoniae (CP) IgG Rapid Test Kit

**Catalog No.:** abx092079

**Revision date:** 22-Mar-19

**Size:** 20 tests

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

**Application:** For qualitative detection in Human serum and whole blood.

#### Introduction and assay principle

The Chlamydia Pneumoniae (CP) IgG Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any CP IgG present in the samples combine with the colloidal gold particles labelled with the target antigen, producing a purple color within 15 minutes.

#### Kit components

1. Detection cards: 20
2. Sample diluent: 4 ml

#### Sample preparation

1. **Serum:** Add 2-3 ml of blood into a clean and dry test tube. Leave at room temperature for 1 h to allow the blood to clot, then separate the serum by either centrifuging at 4000 RPM for 10 min or allowing the blood to clot for a further 1-2 h. The serum samples should be colorless with no visible hemolysis or contaminants, and can be stored at 2-8 °C for up to one week or at -20 °C for long-term storage.
2. **Whole blood:** Whole blood can be used directly as the test sample. Whole blood should be tested immediately after collection.

**Note:** Avoid samples containing high lipid concentrations, bacteria or other pollutants; hemolysis, turbidity, and repeated freeze/thaw cycles, which can cause a false positive result.

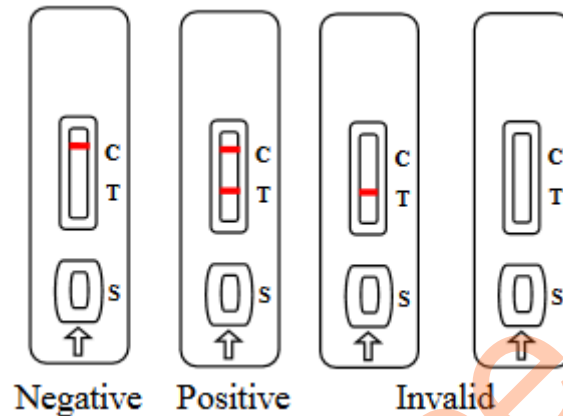
#### Assay procedure

1. Equilibrate all reagents and samples to room temperature.
2. Take a detection card and lay it flat on a clean table (please use within 30 min of opening the aluminum foil). Add 10 µl of serum or 20 µl of whole blood to the sample well. Once the sample penetrates in to the sample pad, add 100 µl of sample diluent to the sample well.
3. Leave at room temperature for 15-20 min, then analyze the result. Do not exceed 20 min.

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### Results analysis

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



### Notes

1. A positive result indicates that the sample is positive for tuberculosis antibody, a negative result indicates that the sample is negative for tuberculosis antibody.
2. This kit is suitable for qualitative detection of CP IgG in serum or whole blood.