Human Chlamydia pneumoniae IgG Rapid Test Kit

Catalog No.: abx092079

Size: 20 tests / 40 tests

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

Application: For qualitative detection of Human Chlamydia pneumoniae IgG in serum and whole blood.

Introduction and assay principle

Abbexa's Human Chlamydia pneumoniae IgG Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Human Chlamydia pneumoniae IgG present in the samples combines with gold-labelled anti-Human IgG antibodies in the sample well, and the complex diffuses to the test area. Chlamydia pneumoniae antigen in the test line captures the complex. When the concentration of Human Chlamydia pneumoniae IgG 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 Chlamydia pneumoniae IgG 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
- Sample diluent

Material Required But Not Provided

- High-precision pipette and sterile pipette tips
- Timer

Sample preparation

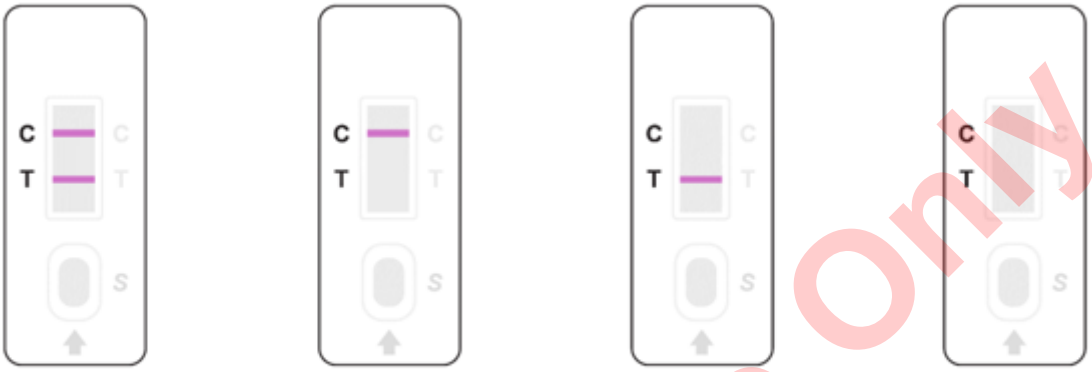
- **Whole Blood:** Samples can be detected directly. Samples should be detected immediately after collection.
- **Serum:** Samples can be detected directly. Samples can be stored at 4°C for short-term storage, or at -20°C for long-term storage. Avoid repeated freeze-thaw cycles.

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, then add 2 drops (approximately 100 µl) of Sample Diluent to the well. Avoid foaming.
2. Leave at room temperature for 15-20 minutes, then analyze the result.

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, lipidemia, hemolysis, or bacterial pollution.
4. Repeated freeze-thaw cycles of samples can produce false positive results.
5. Do not mix or re-use the disposable pipettes to avoid cross-contamination.
6. Do not use water, PBS, or similar solutions as the negative control.
7. Avoid touching the cassette membrane through the sample well or test result window.
8. This kit is for qualitative detection of Human Chlamydia pneumoniae IgG in serum and whole blood samples. 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.
9. No cross-reactivity was observed with anti-HIV antibodies, Hepatitis B surface antigen, Rheumatoid Factor, C.trachomatis IgG, P.bedsonia IgG, S.pneumoniae IgG, or RS virus IgG.
10. Hemolytic samples with >500 mg/ml hemoglobin, Jaundice samples with >1.8 mmol/L bilirubin, or high fat samples with >180 mmol/L glycerin trilaurate will interfere with results.
11. Samples with >30 g/L IgG and >10 g/L IgM will interfere with results.
12. This kit is for research use only and the results are for reference only.
13. All waste should be disposed of appropriately. Please note that you may need to follow special waste disposal procedures for infectious samples. Please check local disposal regulations.