

Instructions for Use

Version: 1.0.1
Revision date: 3-Apr-24

Human Streptococcus pneumoniae Antigen (Pneumococcus) Rapid Test Kit

Catalog No.: abx092096

Size: 20 tests / 40 tests

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

Application: For qualitative detection of Streptococcus pneumoniae antigen in human urine samples.

Introduction and assay principle

Abbexa's Streptococcus pneumoniae Antigen (Pneumococcus) Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Streptococcus pneumoniae antigen present in the samples combines with the colloidal gold particle-labelled Streptococcus pneumoniae antibody. When the concentration of Streptococcus pneumoniae antigen 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 Streptococcus pneumoniae antigen 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: 1 vial

Material Required But Not Provided

- High-precision pipette and sterile pipette tips
- Timer
- Sample container

Sample preparation

- **Urine:** Collect urine in a container and mix well before use. Samples can be stored at room temperature for up to 24 hours prior to detection. Store at 2-8°C, -20°C, or -80°C for up to 2 weeks.

Assay procedure

1. Bring all kit components and samples to room temperature before use.
2. Take a test cassette and lay it flat on a clean table.
3. Using a pipette, slowly and vertically add 20 µl of sample to the sample well on the test cassette. Add 1 drop of sample diluent to the sample well on the test cassette. Avoid foaming.
4. Leave at room temperature for 15-20 min, then analyze the result.

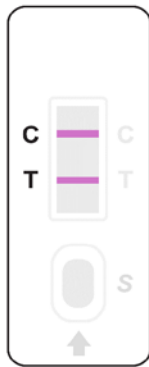
Results analysis

- **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.

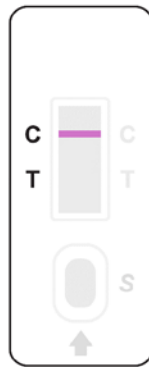
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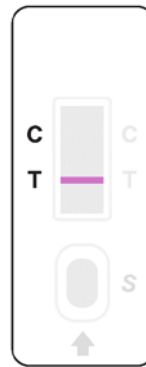
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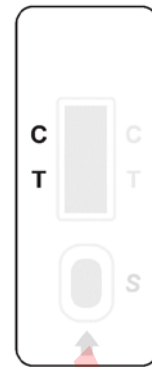
Positive



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 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 *Streptococcus pneumoniae* antigen in human urine 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.
7. 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.
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.