

Instructions for Use

Version: 1.0.1
Revision date: 10-May-24

Helicobacter Pylori Antigen (H. Pylori) Rapid Test Kit

Catalog No.: abx090728

Size: 100 tests / 400 tests / 1920 tests / 10000 tests

Storage: Store all reagents at 4-30°C. Keep dry. Do not freeze.

Application: For qualitative detection of Helicobacter Pylori Antigen in human feces samples.

Introduction and assay principle

Abbexa's Helicobacter Pylori Antigen (H. Pylori) Rapid Test Kit is based on the gold immunochromatography assay (GICA) principle. Any Helicobacter Pylori antigen present in the samples combines with the colloidal gold particle-labelled Helicobacter Pylori antibody. When the concentration of Helicobacter Pylori 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 Helicobacter Pylori 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
- Collection tube with extraction buffer

Material Required But Not Provided

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

Sample preparation

- **Feces (solid):** Take a sample from the stool using the collection stick from the collection tube. Ensure a sample is taken from five different sites. Immediately insert the collection stick into the collection tube. Stir until the sample has dissolved completely in the extraction buffer. Carefully wipe the swab against the inside wall of the collection tube, then discard the collection stick. Replace the collection stick and shake the collection tube. Samples can be stored at 2-8°C for up to 2 days. For longer storage, store at -20°C.
- **Feces (watery):** Use a pipette to collect the sample and dispense 2 drops (approximately 70-90 µl) into the collection tube. Put the lid on and shake the collection tube. Samples can be stored at 2-8°C for up to 2 days. For longer storage, store at -20°C.

Assay procedure

1. Bring all samples and kit components to room temperature.
2. Take a test cassette and lay it flat on a clean table. Shake the collection tube to ensure liquid suspension.
3. Remove the dispenser cap, slowly and vertically add 2 drops (approximately 60 µl) of diluted sample to the sample well on the test cassette. Avoid foaming. Start the timer.

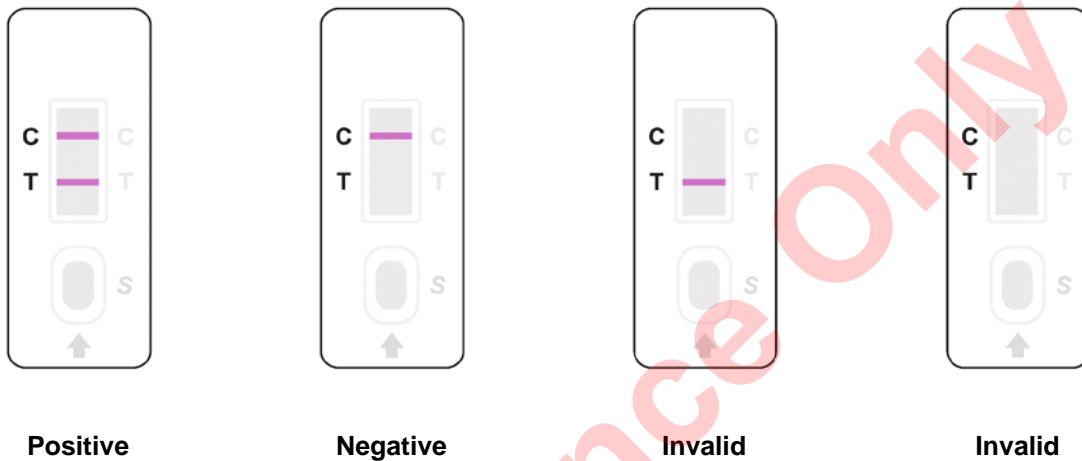
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- Leave at room temperature for 15 min, then analyze the result.

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.



Notes

- The test cassettes should be brought to room temperature before use.
- After opening the aluminum foil, use the test cassette as soon as possible.
- Samples should be clear with no visible particles, turbidity or bacterial pollution.
- Do not mix or re-use the disposable pipettes to avoid cross-contamination.
- Avoid touching the cassette membrane through the sample well or test result window.
- This kit is for qualitative detection of Helicobacter Pylori Antigen in human fecal 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.
- 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.
- 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.