

Instructions for Use

Version: 2.0.1
Revision date: 15-Apr-24

Human Giardia lamblia Antigen Rapid Test Kit

Catalog No.: abx472016

Size: 40 tests

Sensitivity: 96.7 %

Specificity: 98.9 %

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

Application: For qualitative detection of Giardia lamblia in human fecal samples.

Introduction and assay principle

Abbexa's Human Giardia lamblia Antigen Rapid Test Kit is based on the gold immuno-chromatography assay (GICA) principle. Any Human Giardia lamblia antigen present in the samples combines with the colloidal gold particle-labelled Human Giardia lamblia antibody. When the concentration of Human Giardia lamblia 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 Human Giardia lamblia 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 collection tube with extraction buffer

Material Required But Not Provided

- Timer
- Pipettes

Sample preparation

- **Feces (solid):** Unscrew and remove the swab. Insert the swab into at least 5 different sites of the feces to collect approximately 50 mg of feces. Replace the swab in the sample collection tube containing the extraction buffer. Mix the sample and extraction buffer well. Allow the mixture to stand. Test the sample immediately or the sample can be stored for up to 6 months at -20°C.
- **Feces (liquid):** Hold a pipette vertically and aspirate the fecal sample. Transfer 3 drops (approximately 80 µl) into the sample collection tube containing the extraction buffer. Mix the sample and extraction buffer well. Allow the mixture to stand. Test samples immediately or the samples can be stored for up to 6 months at -20°C.

Assay procedure

1. Bring all samples and kit components to room temperature before testing.
2. Take a test cassette and lay it flat on a clean table. Hold the sample collection device upright and break off the tip.

Instructions for Use

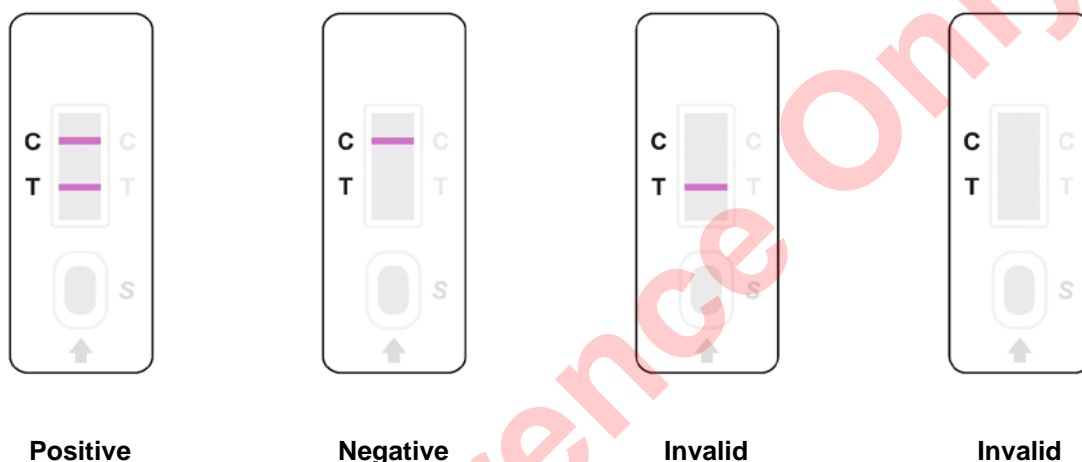
Version: 2.0.1

Revision date: 15-Apr-24

3. Slowly and vertically add 3 drops (approximately 90 µl) of sample to the sample well on the test cassette. Avoid foaming.
4. Leave at room temperature for 10 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

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. Avoid touching the cassette membrane through the sample well or test result window.
6. This kit is for qualitative detection of *Giardia lamblia* 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.
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.