

## Instructions for Use

Version: 1.0.1  
Revision date: 31-Oct-23

### Dog and Cat Toxoplasma Gondii (TOXO Ab) Rapid Test Kit

**Catalog No.:** abx472041

**Size:** 50 tests

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

**Application:** For qualitative detection of IgG, IgM and IgA against Toxoplasma Gondii in Dog and Cat serum, plasma and whole blood.

#### Introduction and assay principle

Abbexa's Dog and Cat Toxoplasma Gondii (TOXO Ab) Rapid Test Kit is based on the gold immunochromatography assay (GICA) principle. Any Dog and Cat Toxoplasma Gondii (TOXO Ab) present in the samples combines with the colloidal gold particle-labelled Dog and Cat Toxoplasma Gondii antigen. When the concentration of Dog and Cat Toxoplasma Gondii (TOXO Ab) 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 Dog and Cat Toxoplasma Gondii (TOXO Ab) 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 (50 tests)

- Test cassettes with pipettes: 50
- Sample diluent: 1 vial

#### Material Required But Not Provided

- Timer

#### Sample preparation

- **Serum and plasma samples:** Collect using conventional methods and stored between 2-8 °C for short-term storage (up to 1 week) or -20 °C for long-term storage. Whole blood should be anticoagulated and tested immediately or stored at 2-8 °C for up to 24 hours. Fresh samples are recommended. Avoid repeated freeze/thaw cycles, bacterial pollution, visible particles; and avoid cloudy, hemolytic, or viscous samples.
- **Whole blood:** Collect an anticoagulated blood sample with EDTA, heparin or citrate using conventional methods. Anticoagulated whole blood samples should be tested within 24 hours of collection, or stored on ice or refrigerated between 2-8°C. Avoid freezing.

#### Assay procedure

1. Bring all kit components and samples to room temperature.
2. Take a test cassette and lay it flat on a clean table. Using the provided pipette, slowly and vertically add 10µl of sample to the sample well on the test cassette. Avoid foaming.
3. Add 3 drops of sample diluent into the sample well on the test cassette.

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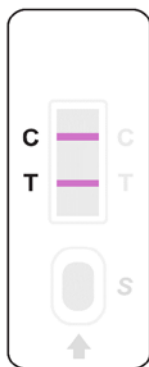
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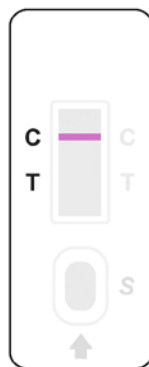
- Leave at room temperature and interpret the result within 10 minutes. Do not read the result after 10 minutes as this will be invalid.

### Results analysis

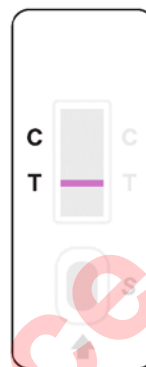
- Positive result:** A colored line is observed in both the control (C) section and the test (T) section.
- Negative result:** A colored line is observed in the control (C) section but not the test (T) section.
- Invalid result:** No colored line is observed in the control (C) section.



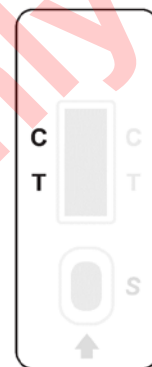
**Positive**



**Negative**



**Invalid**



**Invalid**

### 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.
- Do not use water, PBS, or similar solutions as the negative control.
- Avoid touching the cassette membrane through the sample well or test result window.
- This kit is for qualitative detection of IgG, IgM and IgA against *Toxoplasma Gondii* in dog and cat serum, plasma and whole blood. 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.