

## Instructions for Use

Version: 1.0.1  
Revision date: 31-Oct-23

### Cat Toxoplasmosis Antibody Rapid Test Kit

**Catalog No.:** abx092278

**Size:** 40 tests

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

**Application:** For qualitative detection in cat serum, abdominal effusion, and chest effusion.

#### Introduction and assay principle

Abbexa's Cat Toxoplasmosis Antibody Rapid Test Kit is a lateral flow immunoassay which can detect antibodies against Cat Toxoplasmosis Virus. The sample pad inside the cassette contains gold nanoparticles coated with Cat Toxoplasmosis antibody, and mouse IgG. Antibodies against cat IgM and IgG are coated in their respective regions on a nitrocellulose membrane, creating the test lines and goat anti-mouse IgG antibodies are coated on the control line. The control region on the upper end of the cassette confirms if the test has been successful.

#### Kit Components (40 tests)

- Test cassettes: 40
- Buffer Solution: 1 vial

#### Material Required But Not Provided

- Timer

#### Sample preparation

- **Serum:** Samples should be collected into a serum separator tube. Coagulate the serum by leaving the tube undisturbed at room temperature for 30 min. Centrifuge at approximately 1000 × g for 15 mins between 2-8°C. If a precipitate appears, centrifuge again. Take the supernatant and assay immediately, or aliquot the supernatant and store between 2-8°C for up to 3 days, or at or below -20°C for long-term storage.
- **Abdominal effusion or chest effusion:** Collect abdominal effusion or chest effusion and test the samples directly.

#### Assay procedure

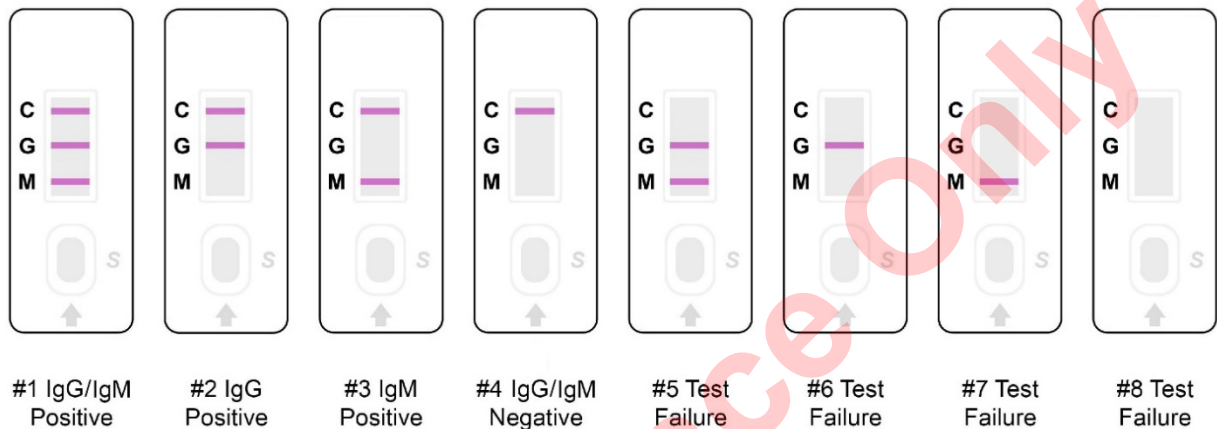
1. Bring all kit components and samples to reach room temperature prior to assay.
2. Take a test cassette and lay it flat on a clean table.
3. Add 1 drop (approximately 40 µl) of sample onto the sample well on the test cassette.
4. Add 2 drops of Buffer Solution onto the sample well on the test cassette. Avoid foaming.
5. Start the timer.
6. Leave at room temperature for 5-10 minutes, then analyze the result.

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### Results analysis

- **Positive result:** A colored line is observed in the control (C) section and both or either test sections (T1 and T2).
- **Negative result:** A colored line is observed in the control (C) section but not in the test sections (T1 and T2).
- **Invalid result:** No colored line is observed in the control (C) section.



### Notes

1. The test cassettes and samples 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 disposable pipettes or pipette tips to avoid cross-contamination.
5. Do not use water or PBS as a negative control.
6. Avoid touching the cassette membrane through the sample well or test result window.
7. False positive results can be caused by several factors, such as: cross-contamination of samples during transportation and treatment; contamination of test components during the assay.
8. False negative results can be caused by several factors, such as: components in the sample blocking the antigen epitope, preventing the antigen from binding to the antibody; sample degradation; analyte concentration is lower than the detection limit of the kit.
9. This kit is for qualitative detection of Cat Toxoplasmosis antibodies in cat serum, abdominal effusion and chest effusion. For other sample types, a preliminary experiment is recommended to determine compatibility with this kit.
10. 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.
11. 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.