

BIT Rapid Color Canine Giardia Ag Detection kit

■ Principles

BIT Rapid Color Canine Giardia Ag Detection kit is intended for the detection of Canine Giardia antigen using canine feces. This product uses an immunochromatographic assay, so no additional equipment is required. When samples are applied to sample hole, the substance, which should be analyzed, would react with the monoclonal antibody of canine Giardia which is adsorbed under the sample hole. The antibody-antigen complexes migrate along the membrane. If the canine Giardia antigen is present in the sample, red color will be developed at the test (T) line due to reaction between antigens and antibodies. If not, any color development would not be observed at T line. In order to differentiate nonspecific reactions, the control (C) line should always appear regardless of the presence of canine Giardia antigen.

■ Materials provided (10 tests/kit)

10 x BIT Rapid Color Canine Giardia Ag Detection kit
10 x Specimen tube containing assay buffer
10 x Sample collection swab
10 x Disposable dropper
1 x Instruction for use

■ Storage & Stability

1. The test kit should be stored at room temperature (2~30°C).
2. **DO NOT freeze.**
3. **DO NOT store in direct sunlight.**
4. The shelf life of the test kit is indicated on the outer package.

■ Warnings & Precautions

1. For in-vitro veterinary diagnostic use only.
2. **DO NOT** use the test kit if the pouch is damaged or the seal is broken.
3. Perform the test immediately after removing the test device from the foil pouch.
4. Each specimen should be handled using a separate dropper.
5. **DO NOT** reuse the test kit.
6. **DO NOT** open or remove the test kit from their its individually sealed pouch until immediately before use.
7. Wear protective gloves while handling specimens and wash hands thoroughly afterward.
8. Decontaminate and dispose of all specimen, test device and potentially contaminated materials.
9. **DO NOT** use the test beyond the expiration date.

■ Sample collection & Preparation

The specimen for the test is Canine feces. The specimens should be tested immediately after collecting, if specimens are not immediately tested, the specimens should be stored in the cold storage (2~8°C) and in case of over 72 hours, it should be stored at below -20°C. All specimens and test device should be placed at room temperature prior to testing.

■ Test Procedure (Refer to figure of test procedure on the internal package cover)

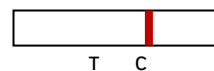
1. Open the foil pouch and place it on a flat & dry surface.
2. Add (4) drops into the sample hole using the disposable dropper slowly drop by drop.
3. The red color band will appear on the window and read the results at 5~10 minutes.
4. **DO NOT** read the test result after 15 minutes.

■ Interpretation of the test

A red color band will appear at the control line (C) of the result window to show that the test is working properly. The other red color band at the test line(T)of the result window indicates the test result.

1. Negative

- 1) The red color band on the control line (C) only indicates a negative result.



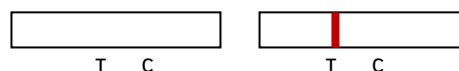
2. Positive

- 1) The red color band on the control line (C) and test line (T) both indicates a positive result.



3. Invalid

- 1) No red color band on the control (C) line or no color band on both the control (C) line and the test (T) line, indicates an invalid result.
- 2) Causes of invalid results may include incorrect test directions or use of expired test kits. It is recommended that the specimen be retested using a new test kit



■ Limitations of the test

1. This test is intended for in-vitro veterinary diagnostic use only.
2. A negative result may occur if the concentration of Canine Giardia Ag in the specimen is below the detection limit of the assay or if the antigen is not present at the stage of infection when the sample is collected.
3. A negative result does not exclude a recent infection.
4. The presence of detectable Canine Giardia Ag indicates a positive result for Canine Giardia infection. As with all diagnostic tests, results should be interpreted in conjunction with other available clinical information, and a definitive diagnosis should be made by a licensed veterinarian.

■ Internal Quality Control

BIT Rapid Color Canine Giardia Ag Detection kit has test line and control line on the surface of membrane, exposed via result window. The test line and control line in the result window will not be developed before applying any samples. The control line is used for procedural control. The control line should always appear if the test procedure is performed properly and the test reagents of the control line are working.

■ Package

5 tests/kit, 10 tests/kit, 25 tests/kit, 30 tests/kit, 50 tests/kit

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