

Total Canine Care™



**Canine Giardia
Lamblia Antigen**
(Trophozoite-Ag & Cysts-Ag)



Rapid Dual-Test Kit (2ct.)

2 SELF-CONTAINED, READY-TO-USE TESTS

• Contents •

- **2X** Dual-Test Cassette in Foil Pouches
(w/ Disposable Transfer Pipettor (40uL per drop))
- **2X** Test Assay Buffer Dropper Tubes (40uL per drop)
- Biohazard Collection Bag
- User Guide

• Complementary Items •

- Feces Collection Tube (w/ touch-free spoon)
- Sanitizing Alcohol Wipes
- Disposable Gloves

• Manufactured By •

Hangzhou All Test Biotech Co., Ltd
550 Yin Hai Street, Hangzhou Economic
& Technologic Development Area
Hangzhou, 310018, P.R China

• Distributed By •

MR Diagnostic Services LLC
Address: 540 E. Shady Lane
Neenah, WI 54956
Email: support@K9P4go.com
Website: www.caninep4.com

• Intended Use •

Total Canine Care™ Giardia lamblia Rapid Test Cassette (feces) is a lateral flow immunochromatographic assay for the qualitative detection of Giardia lamblia antigen (two subtypes: trophozoite and cysts) in animals feces.

In the life history of giardia, there are two different stages of development: trophozoite and cysts. Generally speaking, cysts exists in formed feces and trophozoite exists in watery feces with diarrhea. This kit can detect giardia in both trophozoite and cyst stages. Therefore, it is always recommended to use both testing wells to ensure thorough review and comprehensive screening.

• Test Principle •

Giardia lamblia Rapid Test Cassette is a lateral flow immune-chromatographic assay based on sandwich format. The test cassette has two testing windows. During testing, sample is applied into the sample wells on the cassette. Giardia antigens, if present in the specimen, react with anti-Giardia antibodies coated colloidal gold particles in the test strip. The mixture then migrates upward on the membrane chromatographically by capillary action and reacts with anti-Giardia antibodies on the membrane in the test line region. If the specimen contains Giardia antigen, a colored line will appear in the test line region indicating a positive result. If the specimen does not contain Giardia antigens, a colored line will not appear in the test line region indicating a negative result. To serve as a procedural control, a colored line will always appear in the control line region indicating that proper volume of specimen has been added and membrane wicking has occurred.

• Index of Warning Symbols •



• Precautions •

- For animal use only. Not for use in humans. Keep out of reach of children.
- This kit is designed for in vitro veterinary use only.
- Follow warning symbol recommendations.
- Handle all specimens as if they contain infectious agents. Observe established precautions against microbiological hazards through testing and follow the standard procedures for proper disposal of specimens.
- Wear disposable gloves and eye protection when specimens are being tested.
- **DO NOT** reuse test kit components. Discard after use.
- **DO NOT** use after expiration date.
- **DO NOT** mix components from different lots and different products.
- **DO NOT** operate near heavy vibrations or on steep inclines.
- **DO NOT** operate in dusty conditions.
- **DO NOT** touch the sample deposit area of the test cassette.

• Recommended Materials •

- **Timer.** Proper procedure times needed for testing. See individual steps.

• Limitation of Test •

- Fecal screening test only. Not suitable for diagnosis of infectious diseases of animals. All results should be considered with other clinical information available from a veterinarian.

• Directions for Use •

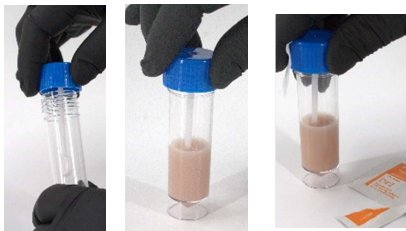
Step 1 Collect sufficient quantity of solid or liquid feces (1-2 mL or 1-2 grams) in a clean dry specimen collection container. Best results will be obtained if the assay is performed within 30 minutes after defecating. Allow test cassette, specimen, and buffer to equilibrate to room temperature (15-30°C / 59-86°F) prior to testing.

• For **SOLID DEPOSITS**:



• **PROCEED DIRECTLY** to Step 2 •

• For **LIQUID DEPOSITS**:



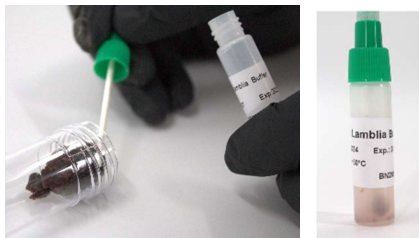
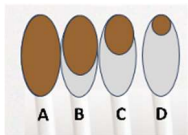
• **PROCEED DIRECTLY** to Step 3 •

• Directions for Use **Continued** •

Step 2: SOLID Deposits • Unscrew the green cap of the test assay buffer dropper tube, then selectively poke the white collection applicator into the fecal specimen in at least 3 different sites (rotating the swab when inserted) to collect approximately 50 mg of feces (equivalent to $\frac{1}{4}$ of a pea). Swirl the applicator in the test assay buffer dropper tube to mix the feces well with the buffer. Do not collect any dirt in testing sample to avoid ground microbe contamination.

Use guide below to help determine how much sample to apply.

A: Too Much, B: Good.
C: Good. D: Not Enough.



Step 3: LIQUID Deposits • Unscrew the collection tube, use the disposable transfer pipettor and aspirate 2 drops of the liquid specimen (approximately 80 uL) into the green test assay buffer dropper tube containing the extraction buffer.



Reminder: Bring the test pouch to room temp before opening it. Remove the test cassette from the pouch and use it as soon as possible.

• Directions for Use Continued •

Step 4 Tighten the green cap onto the specimen test assay buffer dropper tube. Shake vigorously to mix the specimen and the extraction buffer. Allow the specimen in the buffer to react for **2 minutes**.

Step 5 Hold the test assay buffer dropper tube upright and unscrew the clear top cap of the specimen test assay buffer dropper tube. Invert the buffer dropper tube and transfer 2 full drops of the extracted specimen (approximately 80 uL) to each specimen well (S) of the test cassette (Trophozoite well (S) and Cysts well (S)), then start the timer for **10 minutes**. Avoid trapping air bubbles in the specimen well (S).



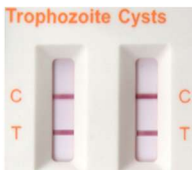
• Step 6: Interpretation of Results •

Read the results at **10 minutes** after dispensing the specimen into the well. Do not interpret results after **15 minutes**.

• INVALID Test •



• POSITIVE Test •



• NEGATIVE Test •



REMINDER: All results should be considered with other clinical information available from a veterinarian.

• Directions for Use Continued •

Step 7: Disposal •

Dispose of used test cassettes and buffers in provided biohazard bags. Please consult local phone or internet directories for the correct information and disposal guidelines.



• Step 8a: Re-Order
by Scanning the QR Code



• Step 8b: Re-Order
by Downloading the App •



• Step 8c: OPTIONAL Re-Order by Visiting our Website •

WWW.CANINEP4.COM

• Warranty Disclaimer •

For animals only. Not for use in humans. Keep out of reach of children. Intended for veterinary use only. Do not freeze. Store at room temperature. Keep out of direct or artificial sunlight. User (or Purchaser) is responsible to observe all applicable local, state, or federal law and bear all risks therefor. User shall dispose of all sharps in authorized waste containers, as identified by User's local trash removal services or health departments. Please consult local phone or internet directories for the correct information and disposal guidelines. Do not dispose sharps in standard trash.

MRDS, as Distributor, warrants the kit for its intended veterinary product use and will replace any defect product purchased by User upon MRDS' receipt of timely written notice by User. This shall be Users exclusive remedy and User shall not be entitled to additional or further compensation or cost.

MRDS is not responsible for pre-existing conditions (even if manifest during use of the products), abnormal response to product use not caused by defect product including but not limited to, aggression, anxiety, and destructive and/or compulsive behavior. MRDS is not responsible if death or euthanasia occurs in your pet because of illness, injury or because of behavior or emotional disorder, including stress induced ovulation losses.

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