

Test Giardia Kit**◆ Principles**

SensPERT Giardia Test Kit is designed to detect the antigens of Giardia in feces. Two antibodies in the kit specifically bind with different epitopes of the antigens. After being absorbed into the cellulose pad, the antigens of Giardia move and bind with gold-colloid complex of anti-Giardia of the conjugate pad, forming Ab-Ag complex. This complex, then, forms Ab-Ag-Ab direct sandwich binding with the antibody of another monoclonal anti-Giardia in the nitrocellulose membrane. The test results can appear on Control and Test lines where the principles of immunochromatography are applied.

◆ Characteristics

- 1) One-step rapid test of Giardia antigens
- 2) Rapid test results between 5 ~ 10 minutes
- 3) Expensive equipment not required
- 4) Easy storage and maintenance
- 5) High-purity and high-quality materials of the test kit increases its sensitivity and specificity.

◆ Materials (10 tests/kit)

- 1) Test ----- 10 units
- 2) Diluent (buffer) ----- 1 x 10 units
- 3) Disposable dropper ----- 10 units
- 4) Swabs for sample collection ----- 10 units

◆ Composition

Specimen well (S : for dropping), Test line (T), and Control line (C) are marked on the device. Inside it, the strip is composed of sample pad, conjugate pad, nitrocellulose membrane (test paper), and absorbent pad

◆ Effect

feces

◆ Uses**1) Specimen**

Canine or Feline feces

2) Storage of specimen

- a) Store specimen at 2 ~ 8 °C for use within 24 hours or at -25 °C for later use.
- b) Keep the specimen at 22 ~ 25 °C before use.

3) Test procedure

- a) Collect feces with a swab and put the swab into a sample tube containing 1 mL of buffer.
Do not use sticky or a lump of feces.
- b) Swirl the buffer with the swab.
- c) Drop 100 µL (4 drops) into the specimen well (S).
- d) Read the test results within 5~10 minutes.

⬆ Consider the test results as invalid after 10 minutes

4) Interpretation of the results

A purple band should appear on the control line regardless of the test result. The presence of another band on the test line determines the result.

Control Line (C): The line should always appear regardless of the presence of Giardia antigens. If this line does not appear, the test should be considered invalid. This is probably because of impure buffer and the lack of specimen. It should be tested again with new buffer.

Test Line (T): The presence of Giardia antigens determines the test line.

- 1) Negative: Control line only appears.



2) Positive: Both Test and Control lines appear.



a) Both Test and Control lines do not appear.



b) Test line only appears.

**5) Further examinations**

This test is for primary screening. Consult veterinarians for further necessary examinations to obtain clinical test results.

◆ Precautions

- 1) Use for *In-vitro* diagnostic purposes only.
- 2) Use within 10 minutes after opening the pouch because the test kit is very sensitive to moisture and its effect may diminish.
- 3) Be careful of not touching the result window.
- 4) Every specimen should be used with different droppers.
- 5) For testing, buffer included only should be used.
- 6) Deal with specimen carefully. They can deliver unknown virus or infectious bacteria.
- 7) Use disposable gloves when you suspect the infection cause by specimen. And wash your hands later.
- 8) Dispose solid wastes after sterilizing them at 121 °C for over 1 hour.
- 9) Do not use the kit when its pouch is torn, sealing is not good shape and expiration date passes.

◆ Storage method

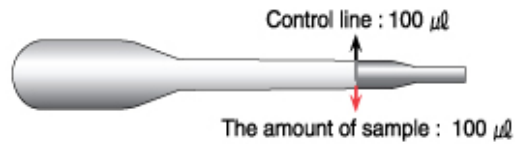
The test kits store at 2 ~ 30 °C can be used for 18 months after manufacturing. **Do not keep them in a refrigerator.** However, if they are stored under cold circumstances, keep them at room temperature for 15 ~ 30 minutes before use.

◆ Exchange

The test kits are manufactured under strict quality control system. Nevertheless, if they deteriorate during delivery, ask our distributors for exchange.

SensPERT™

Instruction for Giardia test



1 Sampling

1. Do not use sticky or a lump of feces.
2. Don't collect too much feces.
Maximum quantity : 30 mg
(Fig : Swab with 30 mg of feces)



2 Use the Supernatant layer



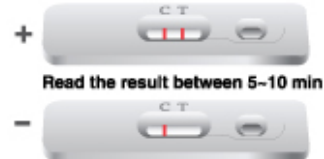
3 Loading

100 μ l of the diluted sample
**Don't overload the sample!



4 Reading

00:05:00-00:10:00



5 Discard

00:10:00



: Discard the used device
DO NOT read the result after 10 min

