

TEST KIT COMPONENTS

1 **FASTest® GIARDIA Strip Test Kit** contains

- 5 or 10 Test Strips
- 5 or 10 Sample Tubes with 2.0ml buffer diluent
- Instructions for use

STORAGE & SHELF LIFE

- **STORE AT ROOM TEMPERATURE (+15 to +25°C).**
- Stored correctly the product can be kept up to the expiry date.
- Avoid components being subject to excess heat or freezing.

SAMPLES

- Only dog and cat faeces can be examined using the **FASTest® GIARDIA Strip**.
- **The test sample material can be stored for 2 days at +2° to +8°C.** For a longer storage period, the faecal suspension can be stored at -20°C.
- Care must be taken not to contaminate the sample with constituents like grass, cat litter, mucous membrane or extremely bloody faeces to avoid 'nonspecific reactions' causing migration interference.

PRECAUTIONS

1. Do not use test kit components from different kits, lot numbers or beyond the stated expiration date.
2. **The sample material must be seen as potentially infectious for animals and humans.**
3. Please follow the instructions precisely.

INTERPRETATION OF RESULTS

- A Negative result does not exclude a persistent *Giardia duodenalis* infection because of the intermittent shedding (not with every defecation) of cysts.
- In cases of ongoing diarrhoea and a negative test result, the test should be repeated after 1 week using a serial faeces sample (one faeces every day for three days). Sometimes only a multiple negative faeces test rules out a *Giardia* infection.
- Any red test line, despite intensity and/or width is to be interpreted as a **positive** result.

ACCURACY

Sensitivity	97.2%
Specificity	99.9%
Comparison Method	E.M., ELISA

**SHOULD YOU HAVE ANY QUERIES OR REQUIRE FURTHER TECHNICAL INFORMATION,
PLEASE CALL OUR DIAGNOSTICS HELP LINE
ON 01798 874871**



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FASTest® GIARDIA Strip

FOR VETERINARY USE ONLY

Manufactured by MEGACOR Diagnostik GmbH
and Distributed exclusively in the UK by
Vetlab Supplies Ltd.

INSTRUCTIONS FOR USE

INTRODUCTION

Giardia is a protozoon capable of infecting humans as well as other animal species e.g. Bovine, Feline and Canine. *Giardia duodenalis* exists in two different morphological stages: an asexual, intestinal growth form called a 'trophozoite' and an encystment form called an 'oocyst'. Infection is achieved via oral ingestion of faeces or contaminated water. Clinical signs depend on the level of infection and are acute or chronic diarrhoea, loss of appetite and/or growth retardation. The clinical diagnosis of Giardiasis is therefore difficult and needs to be supported by laboratory tests which rely on the demonstration of oocysts in faeces.

Giardia tend to cause signs mainly in young animals e.g. dogs and cats aged between 6 weeks to 3 months. Asymptomatic carriers are possible.

TEST PRINCIPLE

The **FASTest® GIARDIA Strip** is based on the latest rapid immunochromatographic technique. It contains two unique monoclonal antibodies. One of these monoclonal antibodies is bound to latex particles, the second is immobilized in the test zone of the strip. If the stool sample extract contains *Giardia* antigens, these will form an antigen-antibody complex with the latex particles. As this complex migrates along the TEST zone of the membrane to the immobilized capture antibody, a red line is formed indicating a positive test result. The remaining conjugate migrates to a second antibody on the CONTROL zone of the test strip forming a second (blue) line. This indicates proper performance of the test.

Please turn over for Test Procedure

FASTest[®] GIARDIA Strip Test Procedure

For each test you will need 1 Test Strip, 1 Sample Tube with buffer diluent and spoon.

1. Specimen Collection and Dilution

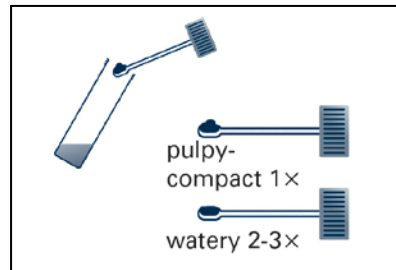
- Mix the faeces sample well with a spatula.
- Open the sample tube and take out the sample spoon, provided with the kit.
- Take a small portion of faeces with the spoon (as described below) and place it in the sample tube.

Pulpy-compact faeces: 1 level spoon

Watery faeces: 2 – max. 3 spoons

Please be careful not to take too much faeces as this may cause lack of migration on the test strip.

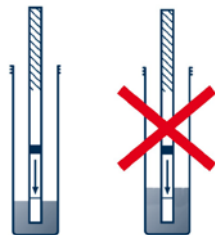
- Screw on the cap tightly to avoid leakage.
- Shake the tube until the sample has been homogenised into the buffer diluent.
- Leave the sample tube until the large particles have settled to the bottom of the tube (1-5 mins).



2. Test Procedure

- Remove the test strip from its pouch.
- Label the strip with a patient name or ID number.
- Introduce the strip vertically with the white arrows pointing downwards into the sample tube with the faecal suspension.
- Leave to stand upright and incubate for **5 minutes** at room temperature.

NB: DO NOT TOUCH THE WHITE CENTRAL REACTIVE AREA OF THE STRIP OR ALLOW IT TO COME INTO CONTACT WITH THE FAECAL SUSPENSION.



- Remove the strip, draining off any excess solution on the inside of the tube and read immediately.

3. Reading of Test Results

The strip must be read after **exactly 5 mins.** incubation in the faecal solution.



POSITIVE RESULT

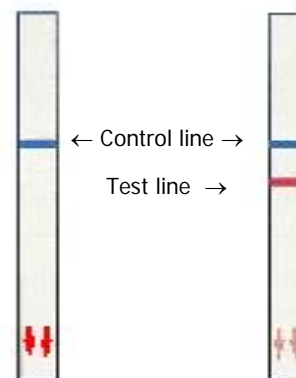
In addition to the **blue line** in the **Control zone**, a clearly visible **red line** also appears in the **Test zone**. The faeces sample contains *Giardia duodenalis*.

NEGATIVE RESULT

Only the **blue line** appears in the **Control zone**. No visible line is seen in the **Test zone**. The faeces sample does not contain *Giardia duodenalis*.

FAILED TEST

If there are no lines visible after 10 mins. in the **Test zone** and the **Control zone** of the strip, the test should be repeated using a new strip.



1 Blue coloured line only = **NEGATIVE**

1 red coloured line + 1 blue coloured line = **POSITIVE**

ANY PROBLEMS? Please ring 01798 874871