

TEST KIT COMPONENTS

1 FASTest® ROTA Strip Test Kit contains

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

STORAGE & SHELF LIFE

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

SAMPLES

- Only faeces can be examined using the **FASTest® ROTA Strip**.
- **Samples can be stored for up to 2 days at +2°C to 8°C.** For a longer storage period the faecal suspension can be stored at -20°C.
- The faeces sample must be mixed well (with a spatula) before taking the spoon sample. Care must be taken not to contaminate the sample with constituents like grass, mucous membrane or extremely bloody faeces to avoid non-specific reactions and migration interference.
- Incorrect sample volume could lead to brownish staining of the test and/or CONTROL line or a flowback of C-line materials into the sample buffer fluid (no or weak appearance of the CONTROL line). The test has to be repeated using correct sample volume.

PRECAUTIONS

- For veterinary diagnostic use only.
- **All sample material must be seen as potentially infectious for animals and humans.**
- Do not use test kit components from different kits, lot numbers or beyond the stated expiration date.
- Please follow the instructions precisely.

ACCURACY

Sensitivity	97.5%
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 ROTA Strip

FOR VETERINARY USE ONLY

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

INSTRUCTIONS FOR USE

INTRODUCTION

Rotavirus is the most common cause of severe diarrhoea (gastroenteritis) in young humans, domestic animals and birds. It is one of the primary causes of neonatal diarrhoea in calves (along with Coronavirus, *Cryptosporidium* spp, *E.coli* spp and *Salmonella* spp). Affected animals develop severe diarrhoea, leading to dehydration, electrolyte imbalance and acidosis. **FASTest® ROTA Strip** allows the veterinarian on clinical grounds to reach a specific diagnosis. The rapid identification saves time which can be used to suggest management strategies that will prevent further outbreaks of the disease, optimising farm animal's health and farm productivity.

FASTest® ROTA Strip can be used on dog, cat, calf, horse and pig faeces.

TEST PRINCIPLE

The **FASTest® ROTA Strip** contains two unique monoclonal antibodies. One of these monoclonal antibodies is bound to Latex particles, the second is immobilised in the Test zone of the test strip. If the stool sample extract contains Rotavirus 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 immobilised 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 blue line. This indicates proper performance of the test. The colour intensity varies and is dependent on the quantity of antigens in the sample.

Please turn over for Test Procedure

FASTest® ROTA 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

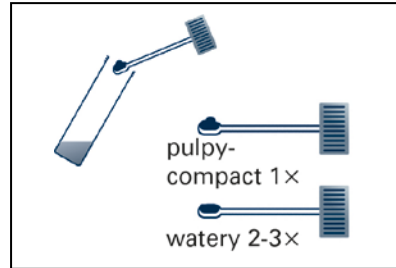
- Mix the faeces sample well with a spatula.
- Open the sample tube and take out the sample spoon, provided with the kit.
- Take a small portion of faeces with the spoon (as described below) and place it in the sample tube.

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.

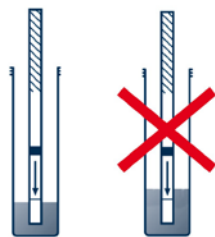
- Screw on the cap tightly to avoid leakage.
- Shake the tube until the sample has been homogenised into the buffer diluent.
- Leave the sample tube until the large particles have settled to the bottom of the tube (1-5 mins).



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 test strip must be read after **exactly 5 mins.** incubation in the faecal suspension.



POSITIVE RESULT

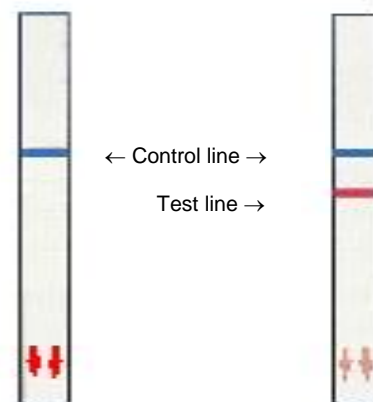
In addition to the **blue line** in the **Control zone**, a clearly visible **red line** also appears in the **Test zone**. The faeces sample contains Rotavirus.

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 Rotavirus.

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