

*Focused on Veterinary Diagnostics*

# FASTest® ROTA Strip<sub>ad us. vet.</sub>

## Virus diarrhoea with zoonotic potential

Fast test for the qualitative detection of rotavirus antigen in feces of the horse, cattle, swine, dog and cat

**Fast aetiological diagnostics of the highly contagious pathogen**

**Immediate and specific initiation of treatment, prophylaxis and hygiene arrangements**

**Identification of asymptomatic carriers**

**Fast, effective and economic livestock prophylaxis**



- Simple test procedure with feces
- Fast test interpretation after 5 minutes
- Reliable clinical diagnostics
- Sensitivity 97.5% & Specificity 99.9%
- Storage at room temperature (15-25° C)
- Long shelf life
- Compact test box with 2 or 10 tests

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Rotavirus from the family of Reoviridae is found world-wide and acts as the causative agent of severe diarrhoea (gastroenteritis) in almost every mammal species (especially cattle, pig, dog, cat and horse), birds and humans. Rotavirus is considered to be species specific, but can also be transmitted from species to species, then causing a rather asymptomatic course of disease.

The transmission from animal specific Rotavirus to humans is scientifically proven, so that the zoonotic potential cannot be denied.

Especially in cattle population, Rotavirus is widely spread (seroprevalence up to 100%) regardless of the diarrhoea problem. Recent studies in Germany with small animals have shown prevalences in dogs and cats of 7% and 8%, respectively.

Rotavirus is highly contagious and shed in large amounts via feces. Due to the high tenacity, the low infection dose and the short incubation period of 1.5 hours to 2 days, Rotavirus can cause severe diarrhoea (dehydration, loss of weight, acidosis) within a short time, which can induce serious onsets in group husbandry (mortality in calves up to 10%).

The awareness of the potential hazard of other live stocks / animal species as well as humans by dumping infectious agents in surface waters and agricultural used areas (fertilization) increases constantly.

This, as well as the increasing close human-animal contact with pets, is a great diagnostic challenge for the veterinarian. Using **FASTest<sup>®</sup> ROTA Strip** on-site allows the veterinarian a rapid and specific detection of Rotavirus. This enables the veterinarian to initiate specific therapy and prevention measures.

## Test procedure



## Test interpretation



**POSITIVE**



**NEGATIVE**



Rotavirus, together with *Cryptosporidium* spp., *E. coli* spp. and Coronavirus, can cause the "Neonatal Diarrhoea Complex", one of the diseases causing heavy losses in young calves world-wide. Therefore it is advisable to use other tests such as **FASTest<sup>®</sup> BCV Strip**, **FASTest<sup>®</sup> CRYPTO Strip** and / or **FASTest<sup>®</sup> E. coli-K99 Strip** or the combined test **FASTest<sup>®</sup> D4T bovine**, respectively, when diarrhoea in large animals is detected. In small animals with diarrhoea, additional tests are recommended: **FASTest<sup>®</sup> GIARDIA Strip** (dog, cat), **FASTest<sup>®</sup> CCovV Strip** (dog), **FASTest<sup>®</sup> PARVO Strip** (dog, cat), **In Pouch<sup>™</sup> TF-Feline** (cat).

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