



# ROTAVIRUS TEST STRIPS

BIO K 152

Diarrhoea is a major cause of mortality in young cattle under six weeks. Bovine neonatal gastroenteritis is a multifactorial disease. It can be caused by viruses : coronavirus or rotavirus, by bacteria : *Salmonella* or *E.coli* F5 (K 99), or by protozoan microorganisms such as *Cryptosporidium parvum*. Coronavirus and Rotavirus are often associated with episodes of neonatal diarrhoea. The diagnosis of the etiological agent of diarrhoea can only be performed by laboratory technics because clinical signs do not allow to differentiate between these different microorganisms. It is possible to identify these agents by means of different techniques including culture, staining, electron microscopy and floating techniques. However, these techniques are labor intensive, unpracticle and time consuming. These classical techniques have rapidly been replaced by the ELISA technology because of its simplicity, and the limited requirements in laboratory equipment. Nevertheless, ELISA can be time consuming and expensive especially when small number of analysis has to be performed. Chromatographic lateral flow immunoassay is becoming the gold standard for gastroenteritis diagnosis because of its simplicity, rapidity, sensitivity and specificity. Laboratory equipment required is limited. Results compared with classical techniques are rather similar in terms of diagnosis and strips are far easier to use.

## Use of the kit

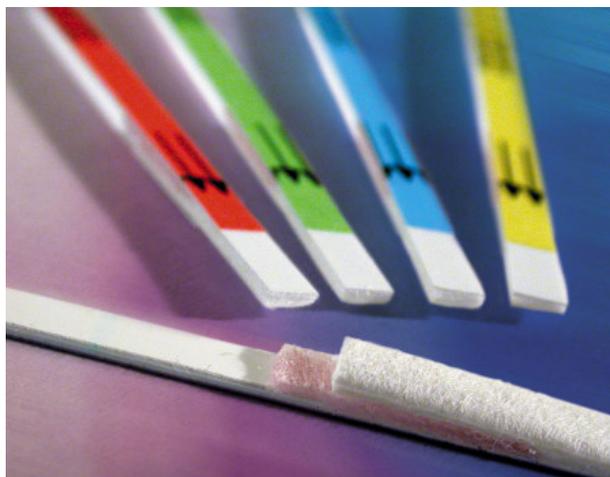
The kit is designed to detect Rotavirus in calf stool

## Reliable Results

The use of monoclonal antibody as conjugate and to capture the virus on the strip ensures excellent specificity and very reliable results.

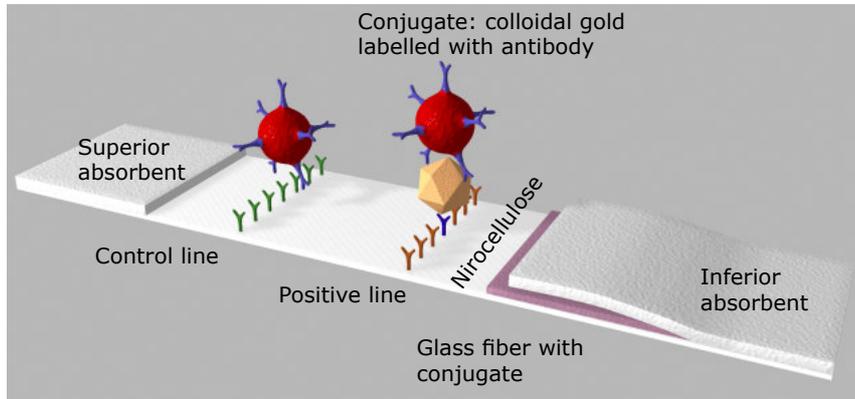
## Ease-of-Use

Minimal hands-on-time  
Room temperature incubation  
Results available in 10 minutes



Bio-X Diagnostics

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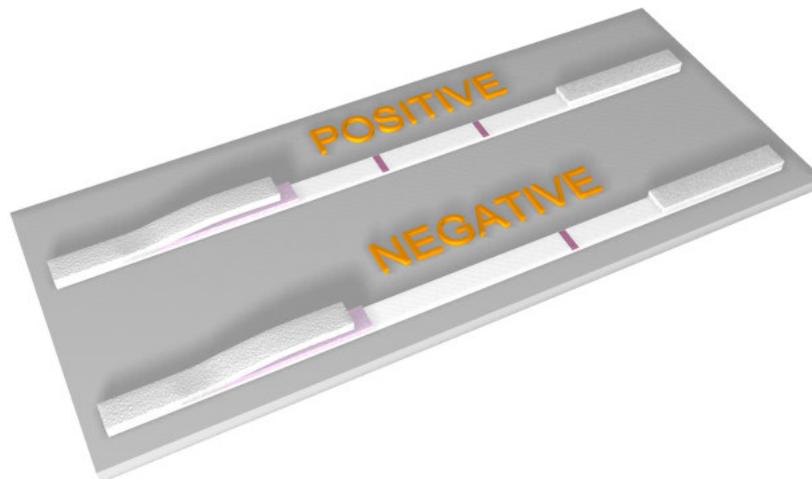
### Example of results

ROTA STRIPS BIO K 152

dsRNA electrophoresis on PAGE (Silver staining)

	+	-	
+	48	0	48
-	2	40	42
	50	40	90

Specificity: 100 %  
Sensitivity: 96 %



### BIO K 152 ROTAVIRUS STRIP KIT

- 10 spoon vials with dilution buffer
- 1 vial with 10 Rotavirus strips
- 1 insert

1 year of stability at 20°C



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