

SMARTSTRIPS

Cryptosporidium - BIO K 403

(BOX OF 10 DEVICES)

TEST STRIPS FOR DETECTION OF CRYPTOSPORIDIUM IN FAECES

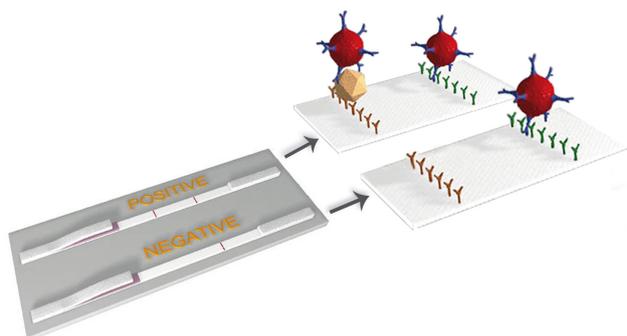
Diarrhoea is a major cause of mortality in young cattle under one month. Bovine neonatal gastroenteritis is a multifactorial disease. It can be caused by viruses: coronavirus or rotavirus, by bacteria: Salmonella or E. coli F5, or by protozoan microorganisms such as Cryptosporidium.

The diagnosis of the etiological agent of diarrhoea can only be performed in the laboratory because clinical signs do not allow to differentiate between the different microorganisms. It is possible to identify Cryptosporidium in faeces by means of different techniques.

The ELISA technique is rapid, reliable and particularly suited to the analysis of large numbers of samples. When the number of samples to be analyzed is low, the ELISA is often too expensive. Lateral immunochromatography is gradually emerging as a reliable alternative in the diagnosis of gastroenteritis due to its simplicity, rapidity, sensitivity and specificity. The strips are particularly easy to use.

About the product : SmartStrips™ Cryptosporidium

SmartStrips™ Cryptosporidium-BIO K 403 strip is a vertical flow immunochromatographic device, where the antigen of interest is captured onto the membrane by a specific monoclonal antibody, whilst a second colloidal gold labelled antibody will allow the capture to be visible.



Use of the kit

SmartStrips™ Cryptosporidium - BIO K 403 is designed to detect Cryptosporidium in faeces.

Reliability of results

The excellent sensitivity and specificity of the SmartStrips™ Cryptosporidium - BIO K 403 are achieved by using monoclonal antibodies. They are used as conjugates and to capture pathogens on the membrane. Following high quality standards, the SmartStrips™ Cryptosporidium - BIO K 403 is validated in comparison with the MULTISCREEN™ AgELISA Digestive- BIO K 348 and the Monoscreen™ AgELISA Cryptosporidium - BIO K 346 on a large quantity of samples.

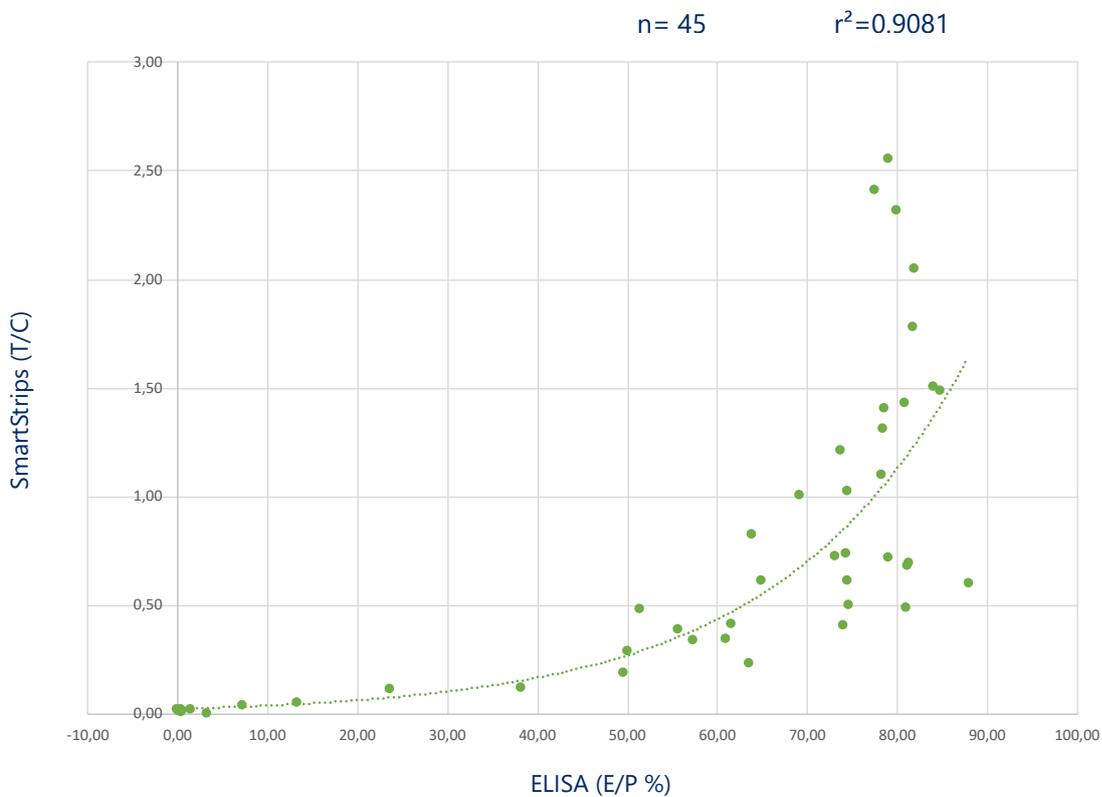




■ **Comparison with Monoscreen™ AgELISA Digestive - BIO K 348 :**

CRYPTO	REFERENCE ELISA			
	+	-		
SMARTSTRIPS	+	132	10	142
	-	12	227	239
		144	237	381
SE RELATIVE	91,67 %	PPV	92,36 %	
SP RELATIVE	95,78 %	NPV	94,98 %	
KAPPA	0,88	EXCELLENT		

■ **Comparison with Monoscreen™ AgELISA Cryptosporidium - BIO K 346 :**



Bio-X Diagnostics is ISO 9001:2008 certified to assure the best to its customers