

Internal Comparison Study

Date: Feb 15th, 2012

FASTest® CRYPTO-GIARDIA Strip

↔ Carbol-Fuchsin (reference method for the detection of *Cryptosporidium parvum*)

FASTest® CRYPTO-GIARDIA Strip Lot No.: 1010 Exp. Date: 31.07.2013

Carbol-Fuchsin without Lot No. (chemical)

	Carbol-Fuchsin positive	Carbol-Fuchsin negative	
FASTest® CRYPTO-GIARDIA Strip positive	58 A = TP	0 B = FP	58 A+B
FASTest® CRYPTO-GIARDIA Strip negative	2 C = FN	35 D = TN	37 C+D
	60 A+C	35 B+D	95 A+B+C+D

Summary

Altogether, 60 **Carbol-Fuchsin** defined *Cryptosporidium* positive faecal samples and 35 **Carbol-Fuchsin** defined *Cryptosporidium* negative faecal samples were compared to **FASTest® CRYPTO-GIARDIA** Strip.

Sensitivity

A/(A+C) Proportion of "true positive" (TP) in all sick animals **96.7 %**

Specificity

D/(B+D) Proportion of "true negative" (TN) in all non-sick animals **100 %**

Positive Predictive Value

A/(A+B) Proportion of the TP in all test-positives **1**

Negative Predictive Value

D/(C+D) Proportion of the TN in all test-negatives **0.95**

↔ **MegaELISA® GIARDIA**

FASTest® CRYPTO-GIARDIA Strip Lot No.: 1010 Exp. Date: 31.07.2013

MegaELISA® GIARDIA Lot No.: 11161 Exp. Date: 31.07.2012

	MegaELISA® GIARDIA positive	MegaELISA® GIARDIA negative	
FASTest® CRYPTO-GIARDIA Strip positive	188 A = TP	3 B = FP	191 A+B
FASTest® CRYPTO-GIARDIA Strip negative	7 C = FN	217 D = TN	224 C+D
	195 A+C	220 B+D	415 A+B+C+D

Summary

Altogether, 195 **MegaELISA® GIARDIA** defined *Giardia duodenalis* positive faecal samples and 220 **MegaELISA® GIARDIA** defined *Giardia duodenalis* negative faecal samples were compared to **FASTest® CRYPTO-GIARDIA Strip**.

Sensitivity

A/(A+C) Proportion of “true positive” (TP) in all sick animals **96.4 %**

Specificity

D/(B+D) Proportion of “true negative” (TN) in all non-sick animals **98.6 %**

Positive Predictive Value

A/(A+B) Proportion of the TP in all test-positives **0.984**

Negative Predictive Value

D/(C+D) Proportion of the TN in all test-negatives **0.969**