

# SNAP® Giardia Test

## Test Accuracy

### Sensitivity and Specificity of the SNAP® Giardia Test

Comparison Test	Sample Size SNAP Giardia Test/ Reference Test					Sample Type	Relative Sensitivity and Specificity 95% Confidence Limit	Kappa Statistic
	+/+	-/+	+/-	-/-	Total			
Immunofluorescence Microscopy	74	4	1	144	223	Fecal	Sen., 95% (95% CL 87%–98%) Spec., 99% (95% CL 96%–100%)	0.95
Microplate ELISA	75	3	0	145	223	Fecal	Sen., 96% (95% CL 88%–99%) Spec., 100% (95% CL 97%–100%)	0.97

CL = confidence limit

### Compare Giardia Testing Methods to See the Difference

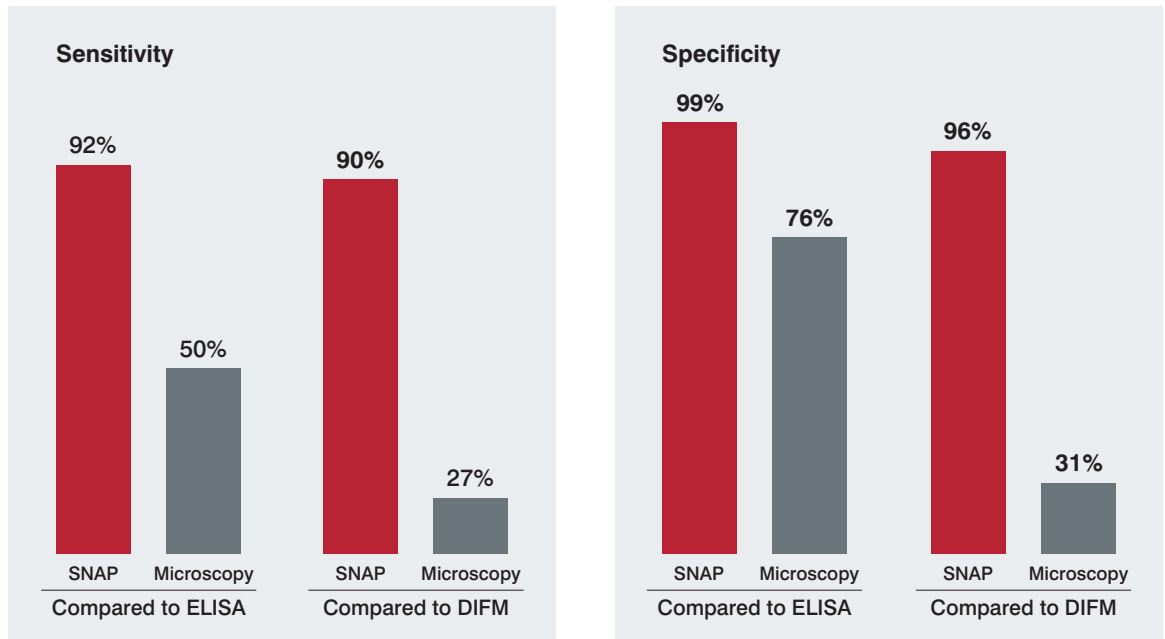
	Light Microscopy	Laboratory IFA	Laboratory ELISA	SNAP Giardia
Identifies Soluble Ag			✓	✓
Time to Result	~20 minutes	24–48 hours	24–48 hours	8 minutes
Inexpensive	✓			✓
In-house	✓			✓
Samples Required	3	1	1	1
High Accuracy		✓	✓	✓

### Conclusion:

The SNAP Giardia Test, with its ease of fecal floats/smears, provides the accuracy of a reference laboratory.

### Detecting *Giardia* Infection

#### A Comparison of In-House Methods vs. Reference Laboratory Methods



In a study, 617 fecal samples were tested for *Giardia* in the normal course of clinical practice.<sup>1</sup> Results from fecal floatation or fecal smears were recorded, and the samples were then forwarded for further reference testing. The results indicated poor performance of current in-house microscopy testing compared to ELISA and DIFM reference methods.

SNAP® *Giardia* Test and in-clinic microscopy test results are shown as percentages of samples that were identified as *Giardia*-positive by laboratory ELISA and DIFM methods.

#### Reference

1. Groat R. Survey of clinic practices and testing for diagnosis of *Giardia* infections in dogs and cats. Presented at: 2003 ACVIM Forum; June 4-8; Charlotte, NC.