



Diagnostic Line – ELISA Kit for Dogs



LeishmaCHECK Ab ELISA

Indirect ELISA test for the detection
of anti-Leishmania infantum IgG antibodies



FAST A simple, rapid and practical method for the diagnosis of leishmaniosis

PRACTICAL Ready-to-use test
No preparation required
Results in about 1 hour

ACCURATE RESULTS Visual or spectrophotometric reading at 450 nm

SENSITIVITY 95.5%
(Confidence interval 95.5%: 92.5%-97.4%)

SPECIFICITY 99.5%
(Confidence interval 95%: 97.1%-100%)

TEST PRINCIPLE

The test is performed as an indirect enzyme linked immunosorbent assay (indirect ELISA).

The wells are coated with an antigen of *Leishmania infantum*. The samples to be analyzed are distributed in each well. If the sample contains specific antibodies anti-*Leishmania*, these antibodies will bind to the antigen adsorbed, forming the Ag-Ab complex.

After washing to eliminate all non-fixed material, the presence of anti-*Leishmania* antibodies is detected by a specific anti-canine IgG monoclonal antibody labelled with horseradish peroxidase (conjugate). All non-fixed material is removed by a second washing. A specific enzyme substrate is then added to the wells which causes a colorimetric reaction when the specific antibodies are present.

TEST VALIDATION

The LeishmaCHECK Ab ELISA (Agrolabo) was tested against the reference IFAT test by using 552 sera (333 positives and 219 negatives).

Compared to IFAT as reference test, the new LeishmaCHECK Ab ELISA agrees at 97.1% (Cohen's K: 0.94), sensitivity and specificity are 95.5 and 99.5.

LeishmaCHECK Ab ELISA (Agrolabo)	IFAT - Reference test		
		POS	NEG
	POS	318 (a)	1 (c)
	NEG	15 (b)	218 (d)
	Total	333	219

Bibliographic reference:
In press

Comparison test results.

a) true positives; b) false positives; c) false negatives; d) true negatives.

LeishmaCHECK Ab ELISA the most modern response to new requirements



Code 27270196
Format 96 breakable wells
Sample Canine serum or plasma
Shelf life 18 months
Storage +2-8°C