



Diagnostic Line – ELISA Kit for Dogs



EhrlichiaCHECK Ab ELISA

Indirect ELISA test for the detection
of anti-Ehrlichia canis IgG antibodies

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

PRACTICAL Ready-to-use test
No preparation required
Results in about 35 minutes

ACCURATE RESULTS Visual or spectrophotometric reading at 450 nm

SENSITIVITY 93.9%
(Confidence interval: 95%: 82.1 – 98.4%)

SPECIFICITY 95.1%
(Confidence interval: 95%: 94.2 – 100%)

TEST PRINCIPLE

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

The wells are coated with an antigen of *Ehrlichia canis*. The samples to be analyzed are distributed in each well. If the sample contains specific antibodies anti-*Ehrlichia*, 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-*Ehrlichia* antibodies is detected by a specific anti-canine IgG 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 EhrlichiaCHECK Ab ELISA (Agrolabo) was tested against the reference IFAT test by using 127 sera (49 positives and 78 negatives).

Compared to the IFAT as reference test, the new EhrlichiaCHECK Ab ELISA agrees at 97.6% (Cohen's K: 0.950), the sensitivity is 93.9% and specificity is 95.1%.

EhrlichiaCHECK Ab ELISA (Agrolabo)	IFAT - Reference test		
		POS	NEG
	POS	49 ^(a)	3 ^(b)
	NEG	2 ^(c)	58 ^(d)
	Total	51	61

Bibliographic reference:

Ferrero, I. ¹, Poletti, P. ¹, Giachino, E. ¹, Dall'Ara, P. ², Filipe, J. ² 2025, Evaluation of a newly developed rapid ELISA to detect anti-*Ehrlichia canis* antibodies in dogs. *Parasite*. 32:62

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Comparison test results.

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

EhrlichiaCHECK Ab ELISA the most modern response to new requirements



Code 27279296
Format 96 breakable wells
Sample Canine serum or plasma
Shelf life 18 months
Storage +2-8°C



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