



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 98.2%**  
(Confidence interval: 95%: 89.0 – 99.9%)

**SPECIFICITY 100%**  
(Confidence interval: 95%: 94.0 – 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 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 EhrlichiaCHECK Ab ELISA (Agrolabo) was tested against the reference IFAT test by using 132 sera (55 positives and 77 negatives). All sera were also tested with INgezim Ehrlichia ELISA (Gold Standard Diagnostics).

Compared to the IFAT as reference test, the new EhrlichiaCHECK Ab ELISA agrees at 99.2% (Cohen's K: 0.984), the sensitivity is 98.2% and specificity is 100%.

The new EhrlichiaCHECK Ab ELISA agrees at 96.2% (Cohen's K: 0.937) with INgezim Ehrlichia ELISA.

EhrlichiaCHECK Ab ELISA (Agrolabo)	IFAT - Reference test		
	POS	NEG	Total
POS	54 <sup>(a)</sup>	0 <sup>(c)</sup>	54
NEG	1 <sup>(b)</sup>	77 <sup>(d)</sup>	78
Total	55	77	132

### Comparison test results.

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

### Bibliographic reference:

EVALUATION OF A NEW ELISA TEST FOR THE DETERMINATION OF ANTIBODIES AGAINST EHRlichia CANIS.

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## 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