



Diagnostic Line – ELISA Kit for Cats



FIVCHECK Ab ELISA

Indirect ELISA test for the detection
of anti-FIV IgG antibodies

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

PRACTICAL Ready-to-use test
No preparation required
Results in about 25 minutes

ACCURATE RESULTS Visual or spectrophotometric reading at a wavelength of 450 nm

SENSITIVITY 100%
(Confidence interval 95%: 88.5%-100%)

SPECIFICITY 100%
(Confidence interval 95%: 94.0%-100%)

TEST PRINCIPLE

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

The antigen of Feline Immunodeficiency Virus (FIV) is fixed on the wells of the plate. The samples to be analyzed are distributed in each well. If the sample contains specific antibodies anti-FIV, 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-FIV antibodies is detected by a specific anti-feline 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

Using a panel of serum with characteristics of FIV, a comparative study between FIVCHECK Ab ELISA (Agrolabo), INgezim FIV ELISA (Gold Standard Diagnostics), VetLine FIV ELISA (Novatec) and SNAP FIV/FeLV Combo test (IDEXX) was performed.

115 serum samples were selected from naturally infected or healthy subjects and analyzed in parallel in order to compare the three tests. The sensitivity, specificity and the agreement values of FIVCHECK Ab ELISA test versus

INgezim FIV ELISA, VetLine FIV ELISA and SNAP FIV/FeLV Combo test were calculated.

Compared to SNAP FIV/FeLV as reference test, the new FIVCHECK Ab ELISA agrees at 100% (Cohen's K: 1.000), sensitivity and specificity are both 100%.

The new FIVCHECK Ab ELISA agrees with INgezim FIV at 100% (Cohen's K: 1.000) and with VetLine FIV ELISA at 92.2% (Cohen's K: 0.812).

FIVCHECK Ab ELISA (Agrolabo)	SNAP FIV/FeLV (IDEXX) – Reference test			
		POS	NEG	Total
	POS	38 (a)	0 (c)	38
	NEG	0 (b)	77 (d)	77
	Total	38	77	115

Comparison test results.

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

Bibliographic reference:

Ferrero I. ¹, Poletti P. ¹, Giachino E. ¹, Filipe J. ², Dall'Ara P. ², 2025. A new rapid indirect ELISA test for serological diagnosis of feline immunodeficiency. Vet Sci. 12(2):89.

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FIVCHECK Ab ELISA the most modern response to new requirements



Code 27224396
Format 96 breakable wells
Sample Feline serum or plasma
Shelf life 18 months
Storage +2-8°C



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