



Diagnostic Line – ELISA Kit for Cats



FeLVCHECK Ag ELISA

Direct Sandwich ELISA test
for the detection of p27 FeLV antigen

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

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

ACCURATE RESULTS Visual or spectrophotometric reading at 450 nm

SENSITIVITY 97.6%
(Confidence interval 95%: 86.0%-99.9%)

SPECIFICITY 97.1%
(Confidence interval 95%: 89.1%-99.5%)

TEST PRINCIPLE

The test is performed as a double antibody sandwich enzymatic immunoassay.

A specific monoclonal antibody (Mab) against the p27 protein of Feline Leukemia Virus (FeLV) is fixed on the wells of the plate. When a sample containing the p27 antigen of FeLV (positive sample) is added, the antigen

will bind to the Mab adsorbed. By adding a second Mab anti-FeLV p27, conjugated with horseradish peroxidase, this will bind to Ab-Ag complex. All non-fixed material is removed by washing. A specific substrate is then added to the wells which causes a color change reaction when the antigen is present.

TEST VALIDATION

Using a panel of serum with characteristics of FeLV, a comparative study between FeLVCHECK Ag ELISA (Agrolabo), ViraCHECK/FeLV (Zoetis), INgezim FeLV DAS ELISA (Gold Standard Diagnostics), was performed.

112 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 FeLVCHECK Ag ELISA versus

ViraCHECK/FeLV and INgezim FeLV DAS ELISA were calculated.

Compared to ViraCHECK/FeLV as reference test, the new FeLVCHECK Ag ELISA agrees at 97.3% (Cohen's K: 0.943), sensitivity is 97.6% and specificity is 97.1%.

The new FeLVCHECK Ag ELISA agrees with INgezim FeLV DAS at 90.2% (Cohen's K: 0.786).

FeLVCHECK Ag ELISA (Agrolabo)	ViraCHECK/FeLV (Zoetis) - Reference test		
		POS	NEG
	POS	41 (a)	2 (c)
	NEG	1 (b)	68 (d)
	Total	42	70

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. Feline leukemia virus in cats: a novel rapid ELISA assay for p27 antigen detection. Vet Med Int. 2025:9914340.
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FeLVCHECK Ag ELISA the most modern response to new requirements



Code 27224796
Format 96 breakable wells
Sample Feline serum or plasma
Shelf life 18 months
Storage +2-8°C



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