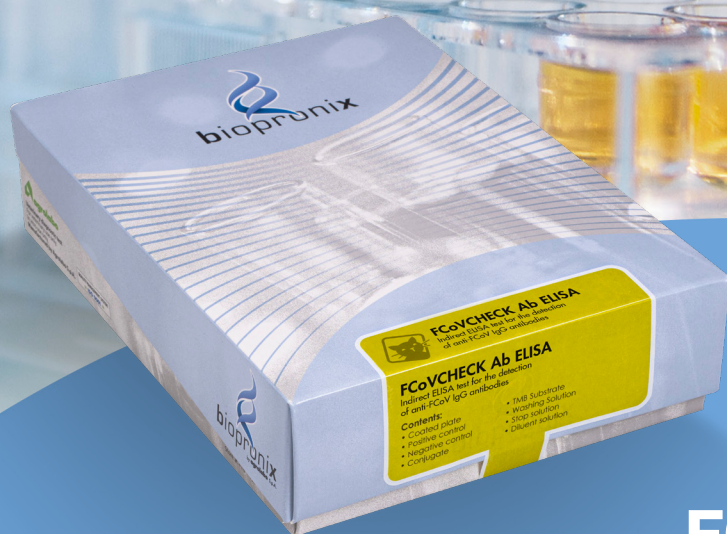




Diagnostic Line – ELISA Kit for Cats



FCoV CHECK Ab ELISA

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

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

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

ACCURATE RESULTS Visual or spectrophotometric reading at 450 nm

SENSITIVITY 93.5%
(Confidence interval 95%: 83.5%-97.9%)

SPECIFICITY 100%
(Confidence interval 95%: 90.8%-100%)

TEST PRINCIPLE

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

The wells are coated with an antigenic peptide of Feline Coronavirus (FCoV). The samples to be analyzed are distributed in each well. If the sample contains specific antibodies anti-FCoV, 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-FCoV 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

The FCoVCHECK Ab ELISA (Agrolabo) was tested against the reference IFAT test by using 110 sera (62 positives and 48 negatives). All sera were also tested with INgezim Corona Felino ELISA (Gold Standard Diagnostics) and ImmunoComb Feline Coronavirus (Biogal) assays.

Compared to the IFAT as reference test, the new

FCoVCHECK Ab ELISA agrees at 96.4% (Cohen's K: 0.925), the sensitivity is 93.5% and specificity is 100%.

The new FCoVCHECK Ab ELISA agrees at 93.6% (Cohen's K: 0.872) with ImmunoComb Feline Coronavirus and 82.7% (Cohen's K: 0.646) with INgezim Corona Felino ELISA.

FCoVCHECK Ab ELISA (Agrolabo)	IFAT - Reference test			
		POS	NEG	Total
	POS	58 ^(a)	0 ^(c)	58
	NEG	4 ^(b)	48 ^(d)	52
	Total	62	48	110

Comparison test results.

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

Bibliographic reference:

Ferrero, I. ¹, Dewilde, S. ², Poletti, P. ¹, Canepa, B. ², Giachino, E. ¹, Dall'Ara, P. ³, Filipe, J. ³ 2025.

Development of a new indirect ELISA test for the detection of anti-feline coronavirus antibodies in cats. Vet Sci 12(3):245.

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³ Università degli Studi di Milano, Milano, Italy

FCoVCHECK Ab ELISA the most modern response to new requirements



Code 27224496
Format 96 breakable wells
Sample Feline serum or plasma
Shelf life 18 months
Storage +2-8°C



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