



InSight V-IA fCys C Evaluation vs. Vcheck V200

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The InSight V-IA is an easy to use veterinary Immunoassay Analyser providing accurate and reliable results in 3-15mins. The InSight V-IA uses immunofluorescence technology for accurate results. A competitive binding assay is based upon the competition of labelled and unlabelled analytes for a limited number of antibody binding sites. Unbound antibodies and immunocomplexes migrate along the nitrocellulose membrane towards the test line. The unbound antibodies are then captured by antigens immobilised on the test line. The fluorescent signal intensity reflects the amount of analytes captured and is measured by the InSight V-IA.

Feline Cystatin C (fCys C)

Cystatin C is used as an aid to evaluate kidney injury.

Comparison Items

InSight V-IA:

Test Item – fCys C

Quantity of Samples – 30 Tests

Instrument – InSight V-IA Veterinary Immunoassay Analyser

Reference Range of Cystatin C in Feline Blood

Detection Range – 2-30 mg/dL

Reference Range:

Reference	Signification
<7 mg/dL	Normal
7-10 mg/dL	Suspected kidney injury
>10 mg/dL	Kidney injury

Bionote:

Test Item – SDMA

Quantity of Samples – 30 Tests

Instrument – Vcheck V200

Reference Range of SDMA in Feline Blood

Detection Range – 10-100 ug/dL

Reference Range:

Reference	Signification
≤14 ug/dL	Normal
14.1-19.9 ug/dL	Suspected kidney injury
≥20 ug/dL	Kidney injury

Test Results

Sample	InSight V-IA (mg/L)	Vcheck (ug/dL)	Clinical Symptoms
1	2.56	10.23	Negative
2	10.05	19.39	Positive
3	11.13	24.69	Positive

4	4.47	11.67	Negative
5	9.93	18.92	Positive
6	4.75	13.52	Negative
7	17.33	61.28	Positive
8	18.25	62.96	Positive
9	4.51	12.04	Negative
10	13.97	21.67	Positive
11	15.34	46.37	Positive
12	7.13	13.57	Negative
13	20.88	49.35	Positive
14	6.68	11.07	Negative
15	6.14	15.36	Positive
16	7.37	16.24	Positive
17	8.39	17.08	Positive
18	9.47	39.07	Positive
19	13.59	30.16	Positive
20	4.86	10.44	Negative
21	16.25	42.19	Positive
22	17.14	57.08	Positive
23	25.3	85.67	Positive
24	5.63	12.65	Negative
25	22.31	55.01	Positive
26	3.68	13.87	Negative
27	7.8	16.38	Positive
28	2.7	12.56	Negative
29	26.2	89.34	Positive
30	28.37	72.39	Positive

Accuracy

		Vcheck V200 SDMA		
		Positive	Negative	Total
InSight V-IA fCys C	Positive	19	1	20
	Negative	1	9	10
	Total	20	10	30

Positive Coincidence Rate	95%
Negative Coincidence Rate	90%
Total Coincidence Rate	93%

Each laboratory should establish a reference range that represents the fauna to be assessed.