



InSight V-IA Feline NT-proBNP
Evaluation vs. IDEXX SNAP

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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 NT-proBNP

The InSight V-IA Feline NT-proBNP Test is used to evaluate myocardial function.

Comparison Items

InSight V-IA:

Test Item – Feline NT-proBNP

Quantity of Samples – 50 Tests

Instrument – InSight V-IA Veterinary Immunoassay Analyser

IDEXX:

Test Item – Feline NT-proBNP

Quantity of Samples – 50 Tests

Instrument – SNAP

Test Results

Sample	InSight V-IA (pmol/L)	IDEXX
1	167.28	Positive
2	511.46	Positive
3	411.15	Positive
4	81.68	Negative
5	81.02	Negative
6	88.78	Negative
7	80.08	Negative
8	151.63	Positive
9	78.81	Negative
10	79.27	Negative
11	168.2	Positive
12	918.13	Positive
13	75	Negative
14	52.72	Negative
15	106.21	Positive
16	96.41	Negative
17	30.72	Negative
18	220.63	Positive
19	154.82	Positive
20	147.2	Positive
21	64.56	Negative
22	45.78	Negative
23	48.63	Negative

24	30.5	Negative
25	30.57	Negative
26	26.13	Negative
27	89.31	Negative
28	87.23	Negative
29	124.45	Positive
30	214.52	Positive
31	68.3	Negative
32	42.41	Negative
33	2.17	Negative
34	88.61	Negative
35	211.17	Positive
36	201.59	Positive
37	40.73	Negative
38	40.68	Negative
39	48.57	Negative
40	23.91	Negative
41	194.18	Positive
42	44.05	Negative
43	43.1	Negative
44	55.83	Negative
45	87.5	Negative
46	75.67	Negative
47	9.08	Negative
48	52.4	Negative
49	35.2	Negative
50	201.36	Positive

Accuracy

fNT-proBNP		IDEXX		
		Positive	Negative	Total
InSight V-IA	Positive	16	0	16
	Negative	0	34	34
	Total	16	34	50

Positive Coincidence Rate	100%
Negative Coincidence Rate	100%
Total Coincidence Rate	100%

Reference Range of fNT-proBNP in Feline Blood

Detection Range: 50 – 1500 pmol/L

Reference:

Signification	pmol/L
Normal (Low Risk)	<100
Suspicion of MVD or DCM or Cardiomegaly	100 – 270
High Risk Heart Failure	>270

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