



InSight V-IA Canine NT-proBNP Evaluation vs. Vcheck V200

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.

Canine NT-proBNP

NT-proBNP is used to evaluate myocardial function.

Comparison Items

InSight V-IA:

Test Item – Canine NT-proBNP

Quantity of Samples – 25 Tests

Lot No. – H062210308

Instrument – InSight V-IA Veterinary Immunoassay Analyser

Bionote:

Test Item – Canine NT-proBNP

Quantity of Samples – 25 Tests

Lot No. – F132D019

Instrument – Vcheck V200

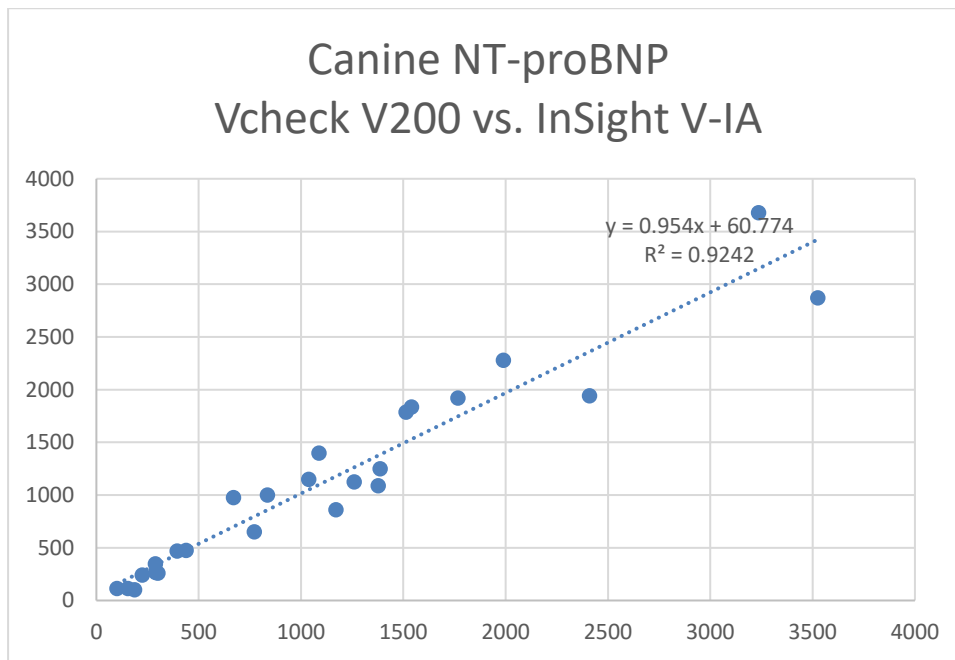
Clinical Assessment (Canine Sample)

Sample	Vcheck V200 (pmol/L)	InSight V-IA (pmol/L)	Mark
1	1540	1834	
2	438	476	
3	290	266	
4	1377	1088	
5	224	241	
6	670	975	
7	1260	1125	
8	1386	1248	
9	1514	1786	
10	154	114	
11	1170	861	
12	3526	2872	
13	288	346	
14	395	468	
15	187	103	
16	100	113	
17	301	259	
18	772	652	
19	1088	1396	

20	3236	3679	
21	1989	2278	
22	1038	1149	
23	2411	1942	
24	835	1001	
25	1767	1919	

Linear Correlation

R ²	0.9242
R	0.9613532



Accuracy

Canine NT-proBNP		Vcheck V200		
		Positive	Negative	Total
InSight V-IA	Positive	12	2	14
	Negative	1	10	11
	Total	13	12	25

Positive Coincidence Rate	92.3%
Negative Coincidence Rate	83.3%
Total Coincidence Rate	88.0%

Repeatability

Sample Concentration	1	2	3	4	5	6	7	8	9	10	Mean Value	Bias Max %
1780pg/mL	2098.1	1659.9	1497.2	1540.5	1416.6	1998.1	1920.3	1409.9	1523.1	1851.7	1691.5	5%
7777pg/mL	8547.2	8301.6	8376.3	8218.6	7912.2	9014.2	8408.7	8774.4	9240.2	8881.8	8567.5	10%
25641pg/mL	28837.3	25073.4	24409.5	23361.4	27035.3	21633.4	31804.7	26979.8	24684.0	24213.2	25803.2	15%