



InSight Canine-IA Canine Cardiac Troponin I
Evaluation vs. Vcheck V200

The InSight Canine-IA is an easy to use veterinary Immunoassay Analyser providing accurate and reliable results in 3-15mins. The InSight Canine-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 Canine-IA.

Canine Cardiac Troponin I

The InSight Canine-IA Canine Cardiac Troponin I Test is mainly used for the diagnosis of cardiomyocyte injury.

Comparison Items

InSight Canine-IA:

Test Item – Canine Cardiac Troponin I

Quantity of Samples – 50 Tests

Lot No. – H087220501

Instrument – InSight Canine-IA Veterinary Immunoassay Analyser

Anigen (Vcheck):

Test Item – Canine Cardiac Troponin I

Quantity of Samples – 50 Tests

Lot No. – F13D009

Instrument – Vcheck V200

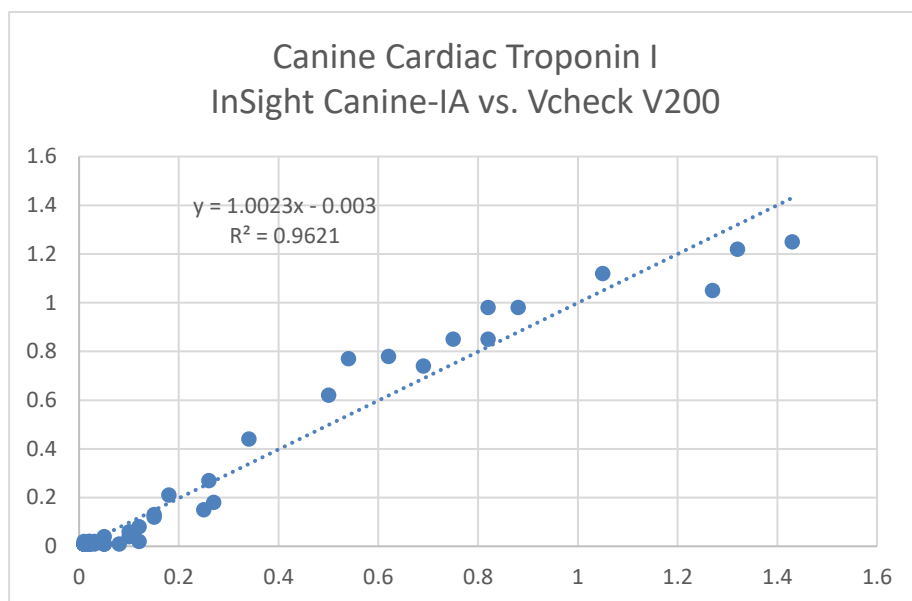
Test Results

Sample	InSight Canine-IA (ng/mL)	Vcheck V200 (ng/mL)
1	0.01	0.05
2	0.01	0.08
3	0.15	0.25
4	0.01	0.05
5	0.74	0.69
6	0.02	0.03
7	0.01	0.05
8	0.18	0.27
9	1.22	1.32
10	0.01	0.02
11	0.02	0.12
12	0.01	0.03
13	0.98	0.88
14	0.01	0.01
15	0.01	0.02
16	0.12	0.15
17	1.25	1.43
18	0.01	0.01
19	0.27	0.26
20	0.01	0.02

21	0.01	0.02
22	1.05	1.27
23	0.08	0.12
24	0.01	0.02
25	0.06	0.1
26	0.01	0.01
27	0.01	0.01
28	0.85	0.75
29	0.01	0.02
30	0.21	0.18
31	0.01	0.01
32	0.01	0.01
33	0.85	0.82
34	0.44	0.34
35	0.01	0.01
36	0.04	0.1
37	0.01	0.01
38	0.01	0.01
39	1.12	1.05
40	0.02	0.02
41	0.04	0.05
42	0.01	0.02
43	0.78	0.62
44	0.98	0.82
45	0.62	0.5
46	0.01	0.02
47	0.77	0.54
48	0.02	0.01
49	0.02	0.02
50	0.13	0.15

Linear Correlation

R ²	0.9621
R	0.9808



Accuracy

ccTnI		Vcheck V200		
		Positive	Negative	Total
InSight Canine-IA	Positive	22	1	23
	Negative	1	26	27
	Total	23	27	50

Positive Coincidence Rate	95.65%
Negative Coincidence Rate	96.29%
Total Coincidence Rate	96%

Repeatability

Sample Concentration	1	2	3	4	5	6	7	8	9	10	Mean Value	Bias %
0.013 ng/mL	0.01	0.02	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.014	1.4%
0.18 ng/mL	0.16	0.15	0.22	0.2	0.18	0.21	0.22	0.19	0.18	0.17	0.188	4.4%
0.78 ng/mL	0.83	0.77	0.76	0.86	0.79	0.78	0.82	0.84	0.83	0.79	0.807	3.5%