



InSight V-IA Canine Cardiac Troponin I  
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.

### **Canine Cardiac Troponin I**

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

### **Comparison Items**

#### **InSight V-IA:**

Test Item – Canine Cardiac Troponin I

Quantity of Samples – 50 Tests

Lot No. – H087220501

Instrument – InSight V-IA Veterinary Immunoassay Analyser

#### **Anigen (Vcheck):**

Test Item – Canine Cardiac Troponin I

Quantity of Samples – 50 Tests

Lot No. – F13D009

Instrument – Vcheck V200

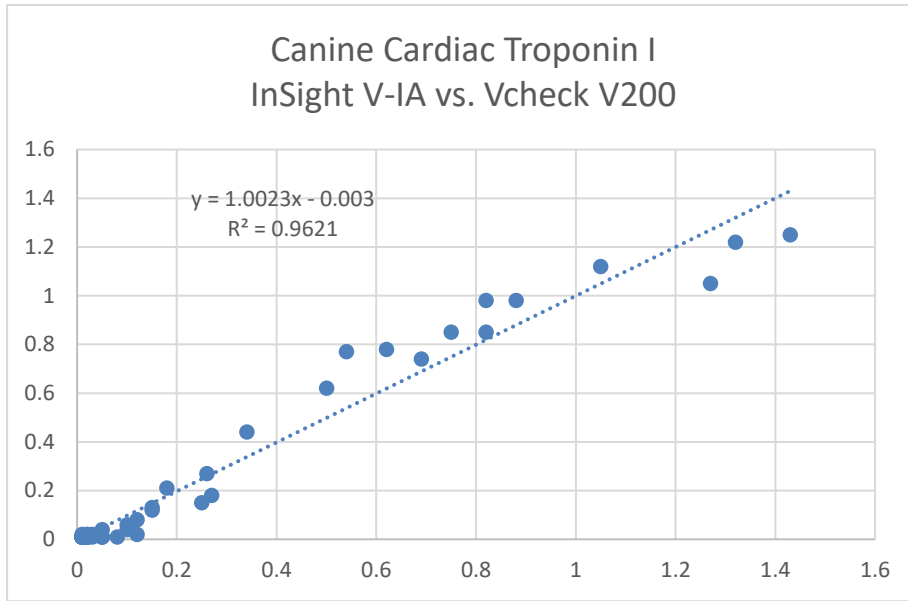
### **Test Results**

<b>Sample</b>	<b>InSight V-IA (ng/mL)</b>	<b>Vcheck V200 (ng/mL)</b>
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 <sup>2</sup>	0.9621
R	0.9808



**Accuracy**

ccTnI		Vcheck V200		
		Positive	Negative	Total
InSight V-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%