



InSight Canine-IA Canine T4 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 T4

T4 is used to assist in the evaluation of thyroid function.

Comparison Items

InSight Canine-IA:

Test Item – Canine T4

Quantity of Samples – 44 Tests

Lot No. – H053200308

Instrument – InSight Canine-IA Veterinary Immunoassay Analyser

Bionote (Vcheck):

Test Item – Canine T4

Quantity of Samples – 44 Tests

Lot No. – F106D006

Instrument – Vcheck V200

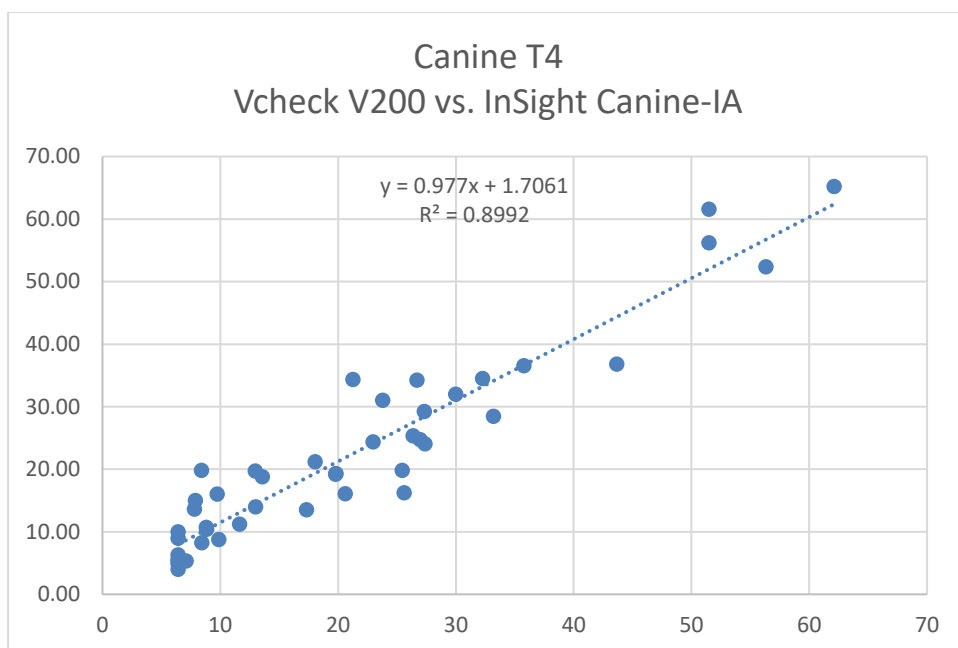
Test Results

Sample	InSight Canine-IA (nmol/L)	Vcheck V200 (nmol/L)	Mark
1	8.82	10.68	
2	62.1	65.20	
3	8.85	10.42	
4	51.48	61.56	
5	8.44	8.24	
6	9.75	16.02	Subclinical
7	11.65	11.20	
8	56.32	52.35	
9	6.435	10	
10	9.88	8.75	
11	6.435	5.62	
12	7.11	5.32	
13	51.48	56.21	
14	6.435	6.32	
15	6.435	5.21	
16	6.435	3.98	
17	6.435	4.85	
18	6.435	8.95	
19	7.88	15	Subclinical

20	13.56	18.79	
21	7.81	13.64	Subclinical
22	13	14	
23	35.78	36.55	
24	26.98	24.71	
25	25.61	16.22	
26	43.65	36.81	
27	21.25	34.36	
28	25.46	19.82	
29	12.97	19.69	
30	19.83	19.31	
31	8.42	19.82	Subclinical
32	17.33	13.51	
33	20.61	16.09	
34	23.8	31.02	
35	33.2	28.44	
36	27.37	24.07	
37	29.98	32.00	
38	27.31	29.21	
39	19.79	19.21	
40	32.27	34.52	
41	18.05	21.21	
42	26.37	25.32	
43	26.7	34.23	
44	22.97	24.35	

Linear Correlation

R ²	0.8779
R	0.9370



Accuracy

Canine T4		InSight Canine-IA		
		Positive	Negative	Total
Vcheck V200	Positive	23	0	23
	Negative	4	17	21
	Total	27	17	44

Positive Coincidence Rate	85.2%
Negative Coincidence Rate	100.0%
Total Coincidence Rate	90.9%

Repeatability

Sample Concentration	1	2	3	4	5	6	7	8	9	10	Mean Value	Bias Max%
5.4nmol/L	5.54	6.31	5.74	5.53	6.09	5.76	5.48	5.17	5.59	5.07	5.628	12%
26 nmol/L	27.28	29.68	27.24	25.38	28.68	26.48	21.08	27.26	26.87	21.97	26.192	13%
65 nmol/L	64.88	58.19	60.78	58.86	66.31	67.44	69.2	57.9	63.96	70.3	63.782	10%