



InSight Canine-IA Canine TSH 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 TSH

TSH is used as an aid to diagnose thyroid function.

Comparison Items

InSight Canine-IA:

Test Item – Canine TSH

Quantity of Samples – 39 Tests

Lot No. – H054200506

Instrument – InSight Canine-IA Veterinary Immunoassay Analyser

Bionote (Vcheck):

Test Item – Canine TSH

Quantity of Samples – 39 Tests

Lot No. – F118D013

Instrument – Vcheck V200

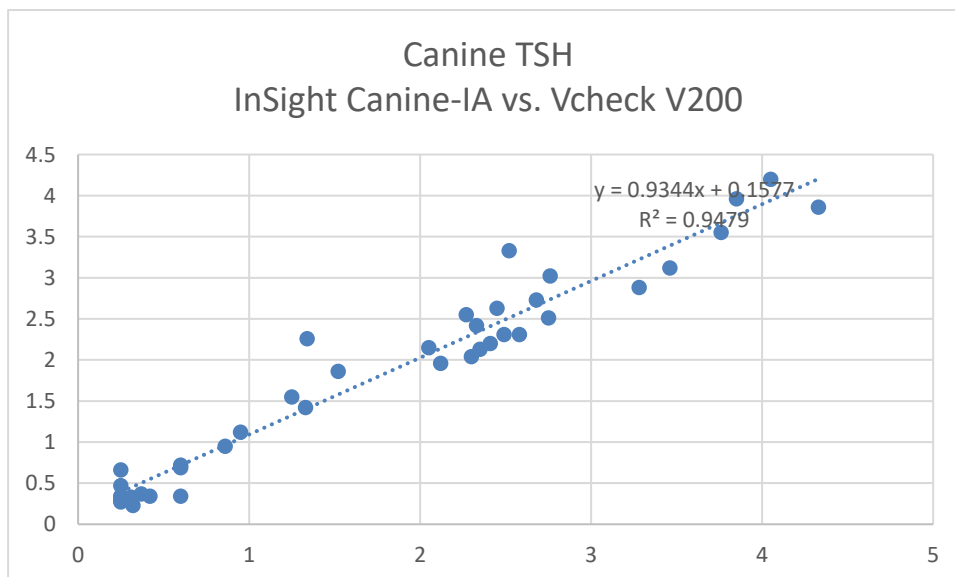
Test Results

Sample	InSight Canine-IA (ng/mL)	Vcheck V200 (ng/mL)
1	0.25	0.27
2	0.25	0.47
3	0.25	0.33
4	0.25	0.29
5	0.25	0.66
6	0.25	0.34
7	0.31	0.33
8	0.32	0.23
9	0.37	0.37
10	0.42	0.34
11	0.6	0.34
12	0.6	0.69
13	0.6	0.72
14	0.86	0.95
15	0.95	1.12
16	1.25	1.55
17	1.33	1.42
18	1.34	2.26
19	1.52	1.86
20	2.05	2.15

21	2.12	1.96
22	2.27	2.55
23	2.3	2.04
24	2.33	2.42
25	2.35	2.13
26	2.41	2.2
27	2.45	2.63
28	2.49	2.31
29	2.52	3.33
30	2.58	2.31
31	2.68	2.73
32	2.75	2.51
33	2.76	3.02
34	3.28	2.88
35	3.46	3.12
36	3.76	3.55
37	3.85	3.96
38	4.05	4.2
39	4.33	3.86

Linear Correlation

R ²	0.948
R	0.974



Accuracy

Canine TSH		InSight Canine-IA		
		Positive	Negative	Total
Vcheck V200	Positive	28	1	30
	Negative	1	8	9
	Total	29	9	39

Positive Coincidence Rate	96.55%
Negative Coincidence Rate	89%
Total Coincidence Rate	97.44%

Repeatability

Sample Concentration	1	2	3	4	5	6	7	8	9	10	Mean Value	Bias Max%
100ug/L	95.15	104.06	103.47	91.24	100.65	70.94	94.81	128.66	91.1	129.46	100.954	1%
310ug/L	286.93	346.31	367.76	253.05	327.47	373.98	383.35	388.7	225.54	295.76	324.885	5%
811ug/L	907.11	806.31	801.04	842.97	925.86	907.52	816.6	901.23	911.68	853.08	867.34	8%