



## InSight V-IA Feline TSH 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.

### **Feline TSH**

TSH is used as an aid to diagnose thyroid function.

### **Comparison Items**

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

Test Item – Feline TSH

Quantity of Samples – 31 Tests

Lot No. – H054200506

Instrument – InSight V-IA Veterinary Immunoassay Analyser

#### **Bionote (Vcheck):**

Test Item – Feline TSH

Quantity of Samples – 31 Tests

Lot No. – F118D013

Instrument – Vcheck V200

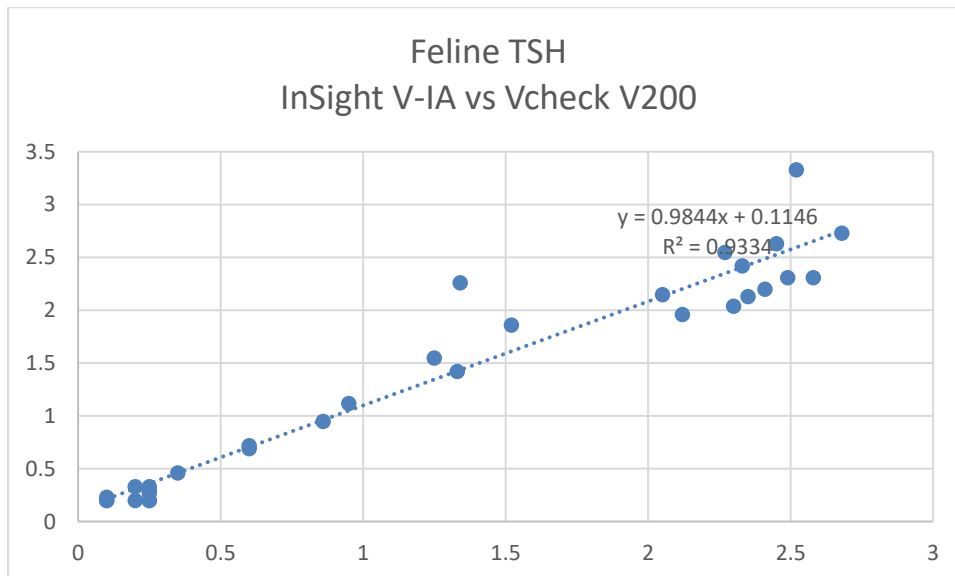
### **Test Results**

Sample	InSight V-IA (ng/mL)	Vcheck V200 (ng/mL)
1	0.25	0.27
2	0.25	0.2
3	0.25	0.33
4	0.25	0.29
5	0.35	0.46
6	0.25	0.2
7	0.2	0.33
8	0.1	0.23
9	0.2	0.2
10	0.1	0.2
11	0.1	0.2
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

**Linear Correlation**

<b>R<sup>2</sup></b>	0.9334
<b>R</b>	0.966



**Accuracy**

fTSH		Vcheck V200		
		Positive	Negative	Total
InSight V-IA	Positive	21	0	20
	Negative	2	8	11
	Total	23	8	31

Positive Coincidence Rate	91.30%
Negative Coincidence Rate	100%
Total Coincidence Rate	93.55%

### 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%