



## InSight V-IA Feline Cortisol Evaluation vs. Vcheck V200

✉ Old Station Park Buildings, St Johns Street, Horwich, BL6 7NY

☎ +44 (0) 1204 669033

🌐 [www.woodleyequipment.com](http://www.woodleyequipment.com)

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 Cortisol**

Cortisol is a hormone that regulates metabolism and is used to help diagnose adrenal disorders.

### **Comparison Items**

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

Test Item – Feline Cortisol

Quantity of Samples – 45 Tests

Lot No. – H061201107

Instrument – InSight V-IA Veterinary Immunoassay Analyser

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

Test Item – Feline Cortisol

Quantity of Samples – 45 Tests

Lot No. – F105D016

Instrument – Vcheck V200

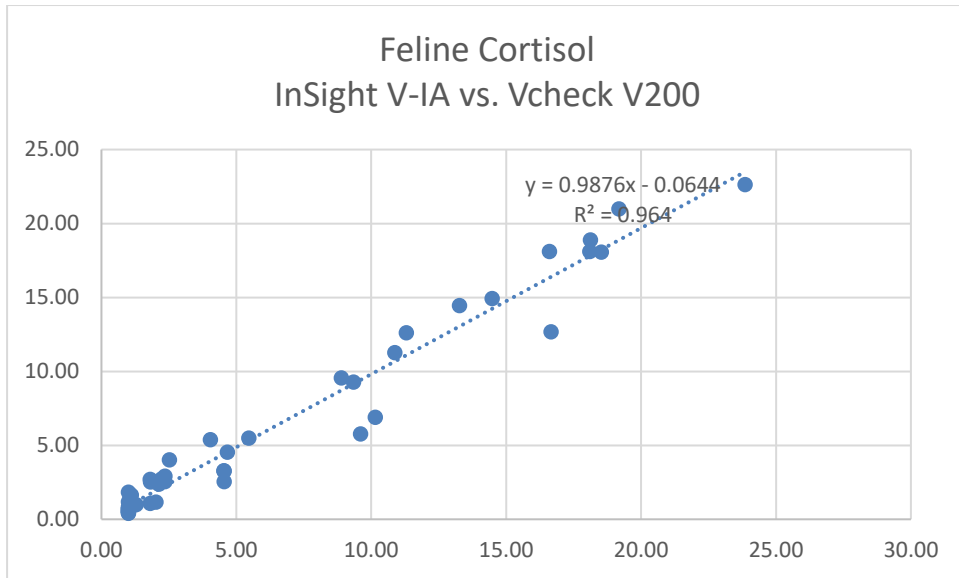
### **Test Results**

<b>Sample</b>	<b>InSight V-IA</b>	<b>Vcheck V200</b>
1	1.00	0.53
2	1.00	0.46
3	1.00	0.53
4	1.00	0.57
5	1.00	0.41
6	1.00	0.71
7	1.00	0.84
8	1.00	0.69
9	1.00	0.73
10	1.29	0.98
11	1.00	1.18
12	1.00	1.83
13	1.07	1.46
14	1.11	1.64
15	1.82	2.52
16	1.97	2.55
17	1.81	2.71

18	2.02	1.17
19	1.80	1.07
20	2.23	2.72
21	2.13	2.38
22	2.35	2.55
23	2.36	2.92
24	2.52	4.02
25	4.53	3.28
26	4.55	2.55
27	5.46	5.48
28	10.15	6.90
29	4.04	5.39
30	4.55	3.26
31	4.66	4.55
32	9.34	9.28
33	9.60	5.78
34	8.89	9.56
35	10.88	11.26
36	11.30	12.61
37	14.48	14.92
38	16.60	18.10
39	16.66	12.67
40	13.27	14.46
41	18.12	18.88
42	19.18	20.99
43	18.10	18.10
44	18.53	18.06
45	23.85	22.62

### Linear Correlation

R <sup>2</sup>	0.964
R	0.982



**Accuracy**

fCortisol		Vcheck V200		
		Positive	Negative	Total
InSight V-IA	Positive	25	1	14
	Negative	1	18	16
	Total	26	19	45

Positive Coincidence Rate	96.2%
Negative Coincidence Rate	94.7%
Total Coincidence Rate	95.6%

**Repeatability**

Sample Concentration	1	2	3	4	5	6	7	8	9	10	Mean Value	Bias Max%
1.51ug/dL	1.37	1.58	1.41	1.61	1.48	1.49	1.55	1.56	1.5	1.48	1.503	0.2%
4.39 ug/dL	4.21	4.35	4.89	4.37	4.73	4.02	4.11	4.11	4.12	4.08	4.299	0.7%
20.73 ug/dL	19.87	18.65	20.55	21.13	22.58	22.46	19.72	19.98	20.21	20.84	20.599	0.2%