



InSight V-IA Canine Cortisol 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 Cortisol

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

Comparison Items

InSight V-IA:

Test Item – Canine Cortisol

Quantity of Samples – 30 Tests

Lot No. – H061201107

Instrument – InSight V-IA Veterinary Immunoassay Analyser

Anigen (Vcheck):

Test Item – Canine Cortisol

Quantity of Samples – 30 Tests

Lot No. – F105D016

Instrument – Vcheck V200

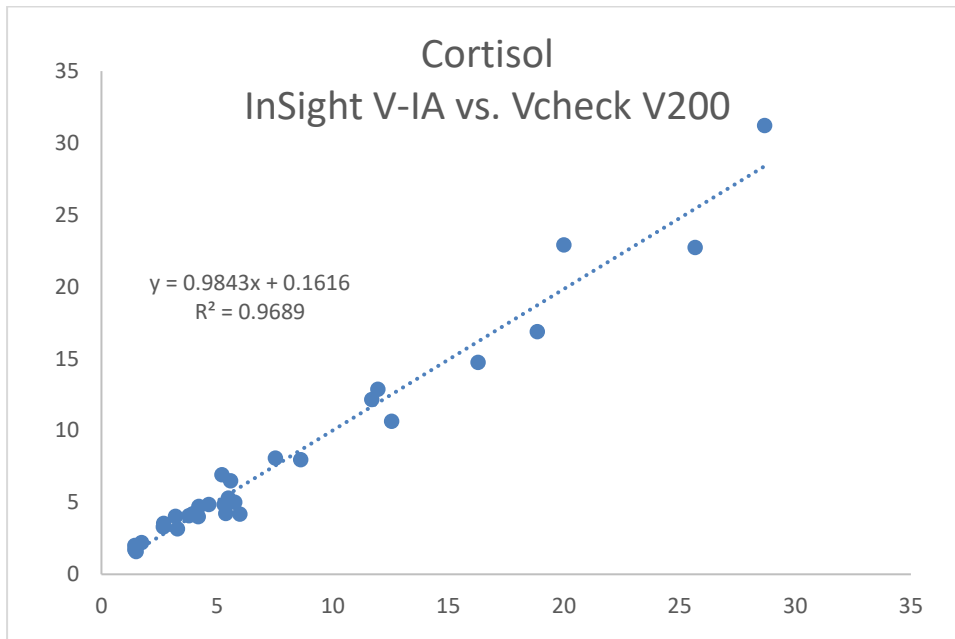
Test Results

Sample	InSight V-IA (ug/dl)	Vcheck V200 (ug/dl)	Mark
1	1.44	1.99	
2	2.69	3.54	
3	20.00	22.91	
4	8.62	7.96	
5	2.68	3.29	
6	1.45	1.71	
7	3.20	4.03	
8	3.28	3.15	
9	3.79	4.07	
10	7.52	8.07	
11	4.19	4.00	
12	11.68	12.15	
13	3.95	4.21	
14	5.31	4.85	
15	11.96	12.86	
16	18.85	16.87	
17	5.99	4.17	
18	5.21	6.91	

19	1.50	1.56	
20	1.73	2.20	
21	25.67	22.72	
22	5.77	5.01	
23	12.55	10.64	
24	28.67	31.21	
25	4.65	4.85	
26	5.37	4.22	
27	5.58	6.49	
28	16.29	14.74	
29	5.49	5.30	
30	4.21	4.71	

Linear Correlation

R²	0.969
R	0.984



Accuracy

Cortisol		Vcheck V200		
		Positive	Negative	Total
InSight V-IA	Positive	13	1	14
	Negative	2	14	16
	Total	15	15	30

Positive Coincidence Rate	86.7%
Negative Coincidence Rate	93.3%
Total Coincidence Rate	90.0%

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%