



InSight Canine-IA Canine Progesterone
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 Progesterone

Progesterone is used as an aid to track ovulation, determine the best time for breeding or detect early pregnancy failure.

Comparison Items

InSight Canine-IA:

Test Item – Canine Progesterone

Quantity of Samples – 38 Tests

Lot No. – H054200506

Instrument – InSight Canine-IA Veterinary Immunoassay Analyser

Bionote (Vcheck):

Test Item – Canine Progesterone

Quantity of Samples – 38 Tests

Lot No. – F122D005

Instrument – Vcheck V200

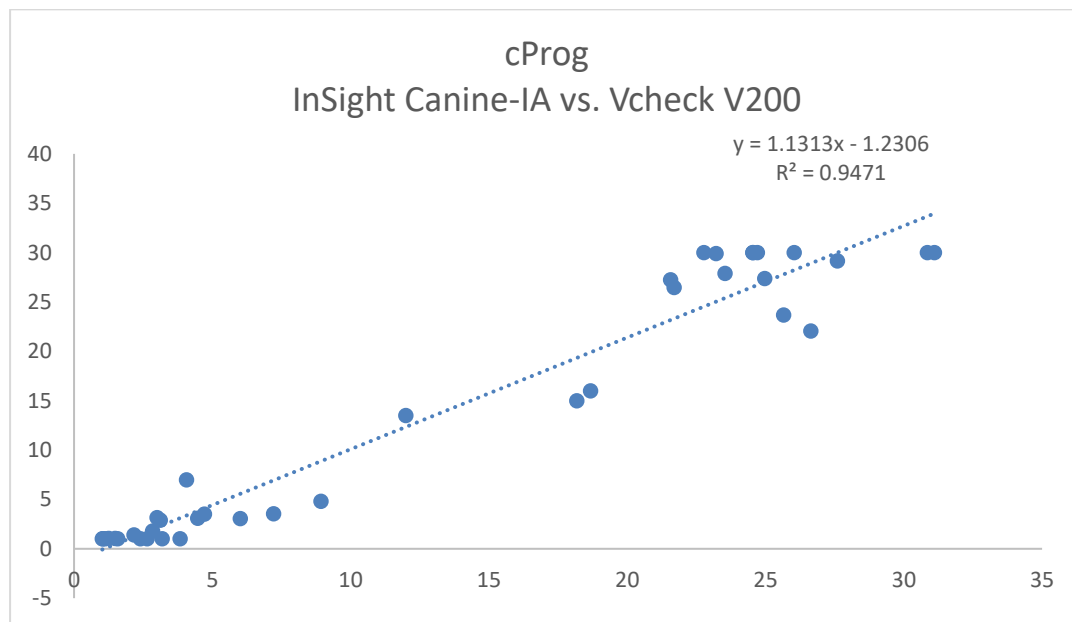
Test Results

Sample	InSight Canine-IA (ng/ml)	Vcheck V200 (ng/ml)
1	1.02	1
2	1.05	1
3	1.13	1
4	1.25	1.06
5	1.49	1.05
6	1.58	1
7	2.17	1.4
8	2.4	1
9	2.64	1
10	2.84	1.8
11	3	3.15
12	3.12	2.91
13	3.19	1
14	3.84	1
15	4.07	6.99
16	4.47	3.09
17	4.71	3.5
18	6.01	3.05

19	7.21	3.54
20	12	13.5
21	8.93	6
22	18.18	15
23	18.68	16
24	21.57	27.24
25	21.7	26.48
26	22.77	30
27	23.21	29.9
28	23.54	27.88
29	24.54	30
30	24.54	30
31	24.71	30
32	24.97	27.36
33	25.66	23.69
34	26.04	30
35	26.64	22.04
36	27.6	29.14
37	30.85	30
38	31.11	30

Linear Correlation

R ²	0.947
R	0.973



Accuracy

cProg		Vcheck V200		
		Positive	Negative	Total
Canine-IA	Positive	19	2	20
	Negative	1	16	17
	Total	20	18	38

Positive Coincidence Rate	95.0%
Negative Coincidence Rate	88.9%
Total Coincidence Rate	92.1%

Repeatability

Sample Concentration	1	2	3	4	5	6	7	8	9	10	Mean Value	Bias Max%
1.5ng/mL	1.2	1.9	1.6	1.1	1.6	1.66	1.67	1.3	1.7	1.5	1.59	2%
12ng/mL	11.8	12.67	10.5	15.2	13.14	15.1	11.24	13	13.6	13.5	12.975	8%
35ng/mL	35.26	30.1	32.2	31.1	34.9	37.5	38.3	39.4	31.8	39.2	34.976	0%