



InSight V-IA cProg Evaluation  
vs. Vcheck cProg

The InSight V-IA is an easy to use Veterinary Immunoassay Analyser providing accurate and reliable results in 3-15 minutes. 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.

### **cProg**

Progesterone is a natural progesterone secreted by the mature corpus luteum of the ovary, which is a necessary hormone to maintain the gestation of female animals. cProg is used for the auxiliary diagnosis of ovarian residual syndrome, determination of sterilisation status, ovulation monitoring, determination of the best mating period, abortion assisted diagnosis, prediction of delivery date, etc.

### **Comparison Items**

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

Test Item – cProg

Sample Type – Fresh Canine Serum

Quantity of Samples – 46 Tests

#### **Vcheck:**

Test Item – cProg

Sample Type – Fresh Canine Serum

Quantity of Samples – 46 Tests

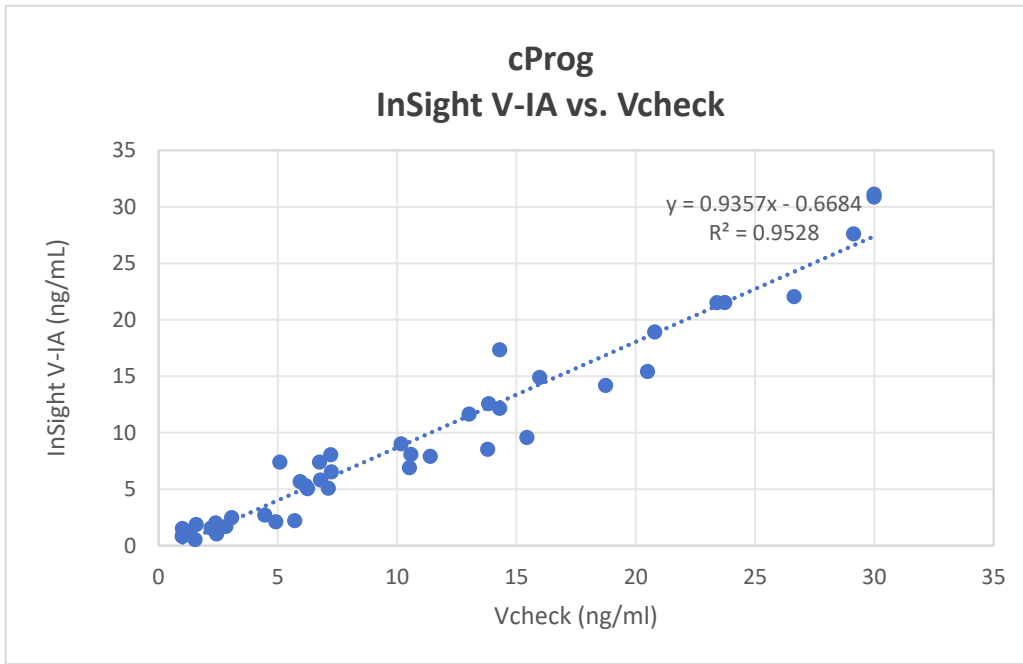
### **Results**

cPL		Vcheck		
		Positive	Negative	Total
InSight V-IA	Positive	29	0	29
	Negative	1	16	17
	Total	30	16	46

Positive Coincidence Rate	97%
Negative Coincidence Rate	100%
Total Coincidence Rate	98%

Sample	Vcheck (ng/mL)	InSight V-IA (ng/mL)
1	2.83	1.69
2	7.25	6.52
3	7.22	8.04
4	6.75	7.39
5	6.25	3.91
6	1.14	1.01
7	3.07	2.46
8	5.94	5.65

9	1	0.81
10	14.3	12.15
11	1.28	1.21
12	1.26	1.11
13	4.46	2.69
14	6.79	5.8
15	14.3	17.34
16	4.92	2.09
17	7.12	5.08
18	1	1.5
19	2.4	2
20	1	0.85
21	1.58	1.86
22	1	0.81
23	18.74	14.17
24	5.09	7.38
25	10.52	6.89
26	1.53	0.53
27	2.2	1.54
28	11.39	7.89
29	13.8	8.52
30	15.98	14.88
31	20.8	18.91
32	13.02	11.64
33	23.74	21.51
34	6.17	5.3
35	2.44	1.02
36	5.71	2.2
37	20.5	15.41
38	23.41	21.5
39	13.84	12.55
40	26.64	22.04
41	29.14	27.6
42	30	30.85
43	30	31.11
44	10.17	9
45	10.58	8.07
46	15.44	9.57



Sample Concentration	1	2	3	4	5	6	7	8	9	10	Mean Value	Bias%
0.5 ng/mL	0.55	0.53	0.55	0.53	0.52	0.57	0.48	0.49	0.57	0.54	0.53	6.00%
8 ng/mL	7.83	8.04	7.76	8.51	9.4	9.06	8.72	8.12	7.88	8.59	8.39	4.88%
25 ng/mL	23.8	22.31	27.91	27.14	27.14	26.4	24.17	27	24.7	27.66	25.82	3.28%

**Conclusion**

Based on comparative analysis, the total coincidence rate of InSight V-IA cProg Rapid Quantitative Test Kit and Vcheck cProg Rapid Quantitative Test is as high as 98%, indicating that the InSight V-IA reagent is comparable to the Vcheck quantitative reagent.