



InSight Canine-IA Canine CRP Evaluation
vs. IDEXX Canine CRP

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

An acute protein in CRP serum, with trace amounts of CRP in normal dog serum, that increases within 4-6 hours of infection or tissue injury, and peaks 24-48 hours later. After the symptoms disappear, CRP levels quickly return to normal. cCRP is used as a general marker for inflammatory response.

Comparison Items

InSight Canine-IA:

Test Item – Canine CRP

Sample Type – Fresh Canine Serum

Quantity of Samples – 35 Tests

IDEXX:

Test Item – Canine CRP

Sample Type – Fresh Canine Serum

Quantity of Samples – 35 Tests

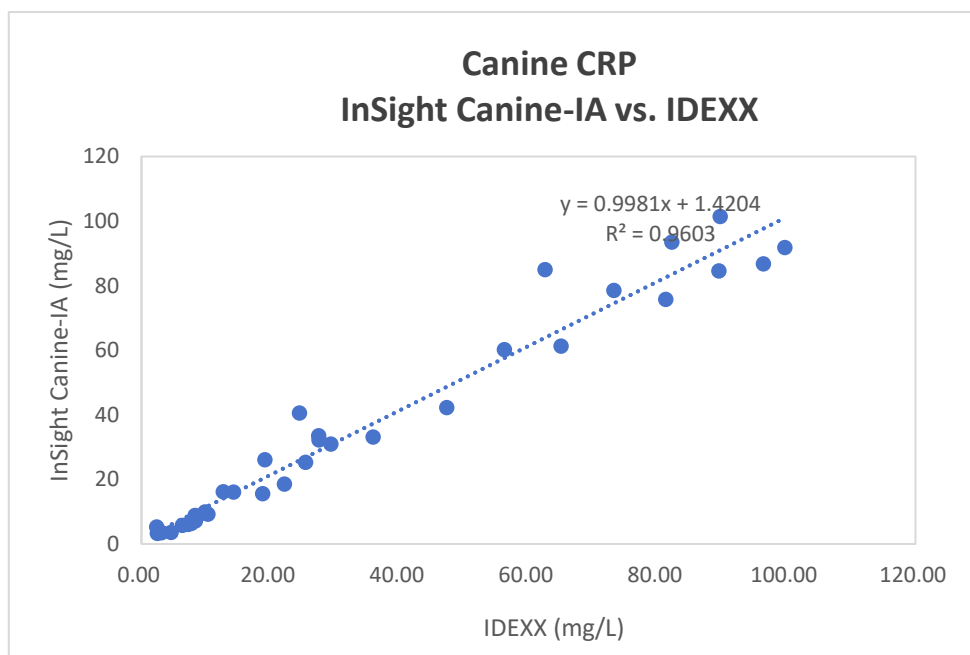
Results

Canine CRP		IDEXX		
		Positive	Negative	Total
InSight Canine-IA	Positive	22	0	22
	Negative	1	12	13
	Total	23	12	35

Positive Coincidence Rate	96%
Negative Coincidence Rate	100%
Total Coincidence Rate	97%

Sample	InSight Canine-IA (mg/L)	IDEXX (mg/L)
1	9.90	9.94
2	12.71	16.22
3	18.82	15.65
4	47.34	42.29
5	29.38	30.98
6	89.55	84.58
7	73.27	78.52
8	6.33	5.77
9	25.48	25.34

10	81.29	75.74
11	22.21	18.54
12	99.75	91.79
13	56.31	60.24
14	65.07	61.34
15	8.39	7.17
16	35.94	33.11
17	14.27	16.08
18	96.43	86.75
19	7.25	6.08
20	10.32	9.27
21	82.23	93.48
22	27.56	32.22
23	2.40	5.27
24	89.74	101.48
25	62.58	84.96
26	24.52	40.62
27	19.17	26.11
28	27.50	33.54
29	9.83	9.57
30	8.33	8.91
31	2.78	3.64
32	4.59	3.64
33	3.14	3.55
34	2.50	3.30
35	7.74	6.39



Sample Concentration	1	2	3	4	5	6	7	8	9	10	Mean Value	Bias%
5 mg/L	4.61	4.56	5.95	4.06	5.02	4.15	5.36	4.41	4.87	4.21	4.72	-6%
25 mg/L	26.88	27.31	27.76	26.83	22.4	26.37	25.05	27.24	27.02	25.05	26.19	5%
80 mg/L	90.47	82.85	84.8	82.86	79.75	76.62	86.3	82.56	78.43	82.97	82.76	3%

Conclusion

Based on comparative analysis, the total coincidence rate of InSight Canine-IA Canine CRP Rapid Quantitative Test Kit and IDEXX Canine CRP is as high as 97%, indicating that the InSight Canine-IA reagent is comparable to the IDEXX quantitative reagent.