



InSight V-IA Canine D-Dimer vs. Siemens Immulite

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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 D-Dimer

The test is used to aid diagnosis of systemic thrombosis.

Comparison Items

InSight V-IA:

Test Item – Canine D-Dimer

Quantity of Samples – 45 Tests

Lot No. – H053200308

Instrument – InSight V-IA Veterinary Immunoassay Analyser

Siemens Immulite:

Test Item – Canine D-Dimer

Quantity of Samples – 45 Tests

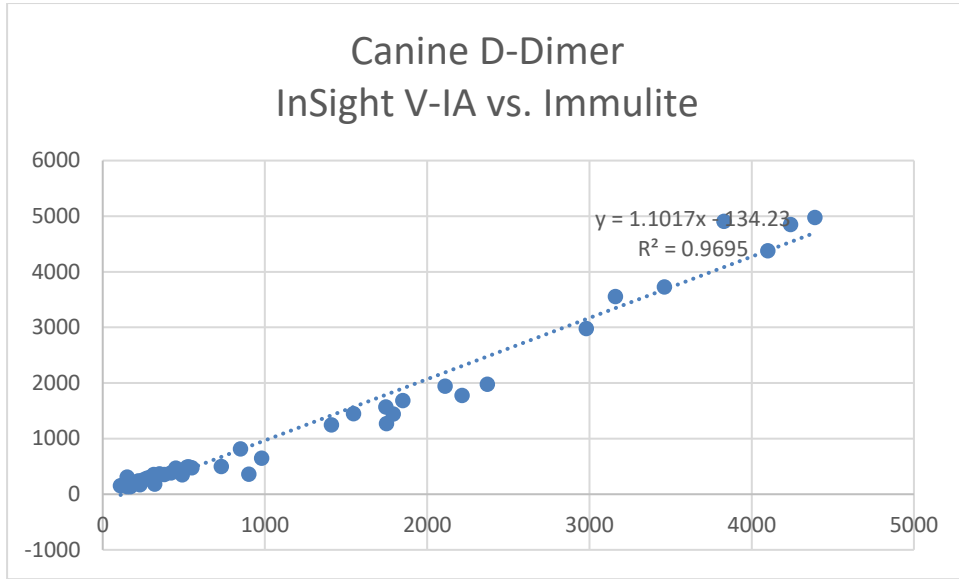
Test Results

Sample	InSight V-IA (ng/mL)	Immulite (ng/mL)	Mark
1	354.12	380	
2	384.12	420	
3	198.09	160	
4	137.57	170	
5	4905.14	3830	
6	4380.56	4100	
7	201.8	210	
8	239.02	220	
9	169.24	230	
10	1978.36	2370	
11	2980	2980	
12	290.33	280	
13	273.12	290	
14	312.55	300	
15	354.16	314	
16	180.32	320	
17	364.75	350	
18	155.29	110	
19	135.46	150	
20	1684.9	1850	

21	1940.47	2110	
22	487.13	520	
23	490.12	530	
24	1568.24	1745	
25	500	730	
26	812.48	850	
27	362.53	900	
28	650	980	
29	310	150	
30	1245.72	1410	
31	1450.33	1545	
32	473.18	550	
33	1271.95	1750	
34	1443.32	1790	
35	472.33	450	
36	350	490	
37	1778.46	2215	
38	258.39	250	
39	284.55	270	
40	3557.42	3160	
41	3726.5	3462	
42	192.33	180	
43	210.45	200	
44	4850.34	4240	
45	4976.88	4390	

Linear Correlation

R²	0.9695
R	0.985



Accuracy

D-Dimer		InSight V-IA		
		Positive	Negative	Total
Siemens	Positive	34	1	35
	Negative	1	9	10
	Total	35	10	45

Positive Coincidence Rate	97.1%
Negative Coincidence Rate	90.0%
Total Coincidence Rate	95.6%

Repeatability

Sample Concentration	1	2	3	4	5	6	7	8	9	10	Mean Value	Bias Max%
160ng/mL	142.3	139.2	160.3	159.6	151	175.5	149.6	171.7	167.5	153.9	157.06	1.8%
310ng/mL	277.6	306.4	266.7	289.1	294.6	328.4	316.9	295.9	298.6	306.5	298.07	3.8%
861ng/mL	897	990.8	822.7	980.9	1022	960.3	1029	981.6	913.8	988.8	958.69	11.3%