



InSight V-IA Feline D-Dimer Evaluation 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.

Feline D-Dimer

The test is used to aid diagnosis of systemic thrombosis.

Comparison Items

InSight V-IA:

Test Item – Feline D-Dimer

Quantity of Samples – 45 Tests

Lot No. – H053200308

Instrument – InSight V-IA Veterinary Immunoassay Analyser

Siemens Immulite:

Test Item – Feline D-Dimer

Quantity of Samples – 45 Tests

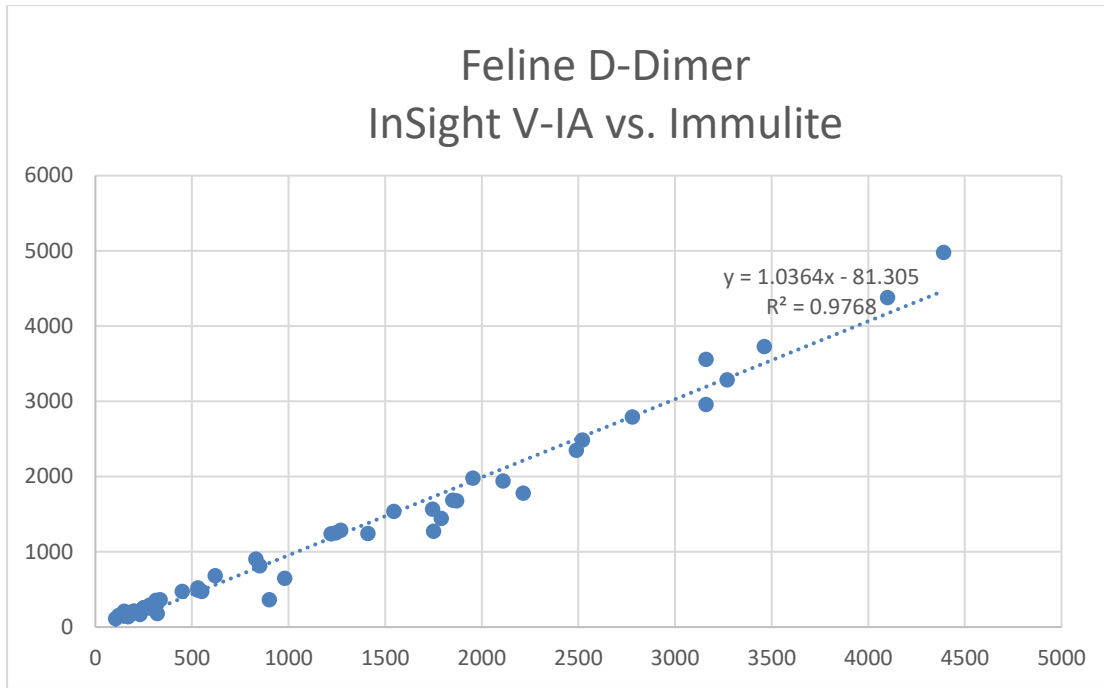
Test Results

Sample	Immulite (ng/mL)	InSight V-IA (ng/mL)
1	280	254.12
2	620	684.12
3	150	158.09
4	170	137.57
5	830	905.14
6	4100	4380.56
7	210	201.8
8	1220	1239.02
9	230	169.24
10	1870	1678.36
11	1954.5	1980.5
12	280	290.33
13	290	273.12
14	105.25	112.55
15	314	354.16
16	320	180.32
17	334.5	364.75
18	121.5	155.29
19	1545	1535.46

20	1850	1684.9
21	2110	1940.47
22	2520	2487.13
23	530	490.12
24	1745	1568.24
25	530	521.1
26	850	812.48
27	900	362.53
28	980	650
29	150	210
30	1410	1245.72
31	1245	1250.33
32	550	473.18
33	1750	1271.95
34	1790	1443.32
35	450	472.33
36	2490	2350
37	2215	1778.46
38	250	258.39
39	3270	3284.55
40	3160	2957.42
41	3462	3726.5
42	2780	2792.33
43	200	210.45
44	240	230.34
45	4390	4976.88
46	250	258.39
47	1270	1284.55
48	3160	3557.42
49	180	192.33
50	200	210.45

Linear Correlation

R²	0.9768
R	0.9883



Accuracy

D-Dimer		InSight V-IA (ng/mL)		
		Positive	Negative	Total
Siemens (ng/ml)	Positive	36	2	35
	Negative	1	11	10
	Total	37	13	50

Positive Coincidence Rate	97.3%
Negative Coincidence Rate	84.6%
Total Coincidence Rate	94.0%

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%