WOODLEY
EQUIPMENT COMPANY LTD.

InSight V-IA

InSight V-IA fPL Evaluation
vs. Vcheck V200

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 Pancreatic Lipase (fPL)

fPL is used as an indicator for diagnosis of pancreatitis in cats.

Comparison Items

InSight V-IA:
Test Item – fPL
Quantity of Samples – 32 Tests
Lot No. – H064200205
Instrument – InSight V-IA Veterinary Immunoassay Analyser

Bionote (Vcheck):
Test Item – fPL
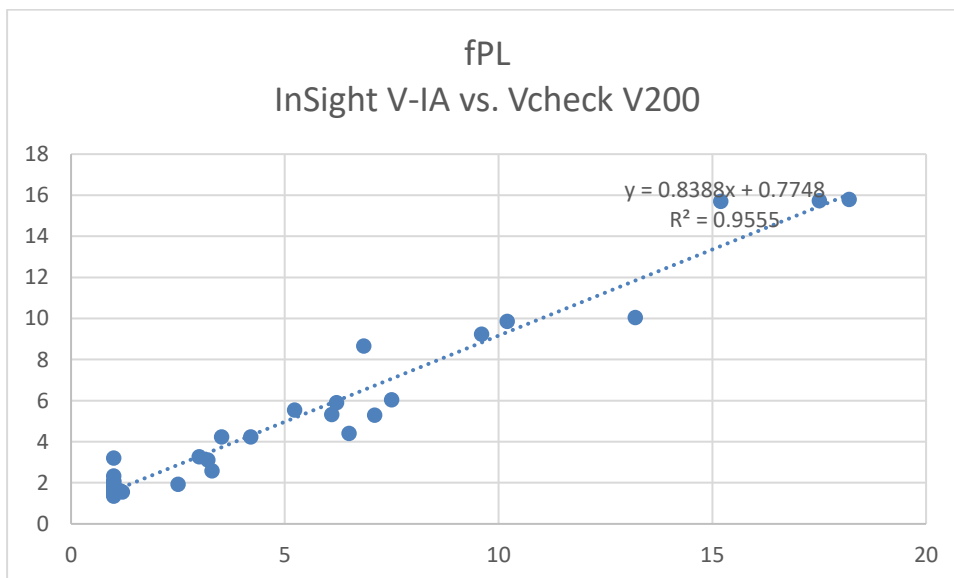Quantity of Samples – 32 Tests
Lot No. – F104D014
Instrument – Vcheck V200

Test Results

Sample	Vcheck V200 (ug/L)	InSight V-IA (ug/L)	Mark
1	1	1.5	
2	1	2.33	
3	1	3.2	
4	1	1.78	
5	1	1.55	Critical
6	3.52	4.23	
7	1	2.06	
8	6.21	5.91	
9	6.85	8.66	
10	1	2.1	
11	1	1.35	
12	1	1.74	
13	5.23	5.55	
14	1	1.45	
15	1.2	1.56	
16	1	1.88	
17	10.2	10.05	
18	18.2	15.8	

19	15.2	15.7	
20	17.5	15.74	
21	1.14	1.62	
22	2.5	1.93	
23	6.1	5.32	
24	3.3	2.58	
25	3.2	3.12	
26	9.6	9.24	
27	6.5	4.4	
28	3	3.27	
29	4.2	4.23	
30	7.1	5.3	
31	10.2	9.86	
32	7.5	6.05	

Linear Correlation

R^2	0.9555
R	0.9775

fPL
InSight V-IA vs. Vcheck V200

$y = 0.8388x + 0.7748$
$R^2 = 0.9555$

Accuracy

fPL		InSight V-IA		
		Positive	Negative	Total
Vcheck V200	Positive	14	0	14
	Negative	1	17	18
	Total	15	17	32

Positive Coincidence Rate	93.3%
Negative Coincidence Rate	100.0%
Total Coincidence Rate	96.9%

Repeatability

Sample Concentration	1	2	3	4	5	6	7	8	9	10	Mean Value	Bias Max %
1.9ug/L	2.18	1.99	2.06	1.87	2.01	1.82	1.74	2.02	1.94	2.31	1.99	5%
6.8ug/L	8	7.89	6.75	6.9	6.78	9.81	6.77	6.53	8	6.57	7.40	9%
15ug/L	18.44	21.38	12.76	16.82	13.25	16.6	14.68	14.73	14.65	15.57	15.89	6%