InSight V-IA cPL Evaluation
vs. IDEXX cPL

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.

cPL
cPL is used as an indicator for diagnosis of pancreatitis in dogs.

Comparison Items

InSight V-IA:
Test Item – cPL
Quantity of Samples – 20 Tests
Instrument – InSight V-IA Veterinary Immunoassay Analyser

IDEXX:
Test Item – cPL
Quantity of Samples – 20 Tests
Instrument – SNAP*

Results

Sample	Clinical Symptoms	InSight V-IA (ug/L)	IDEXX (ug/L)
1	Normal	190.5	185.3
2	Pancreatitis is normal	168.5	178.2
3	Pancreatitis is normal	84.5	62.5
4	Pancreatitis positive	284.5	267.5
5	Pancreatitis positive	1354.1	1367.5
6	Pancreatitis is normal	122.5	134.2
7	Pancreatitis positive	405.75	123
8	Pancreatitis is normal	45.5	50.1
9	Pancreatitis positive	654.1	624.2
10	Pancreatitis positive	545.1	532.5
11	Pancreatitis is normal	142.4	135.2
12	Pancreatitis is normal	147.2	142.5
13	Pancreatitis positive	1347.2	1352.1
14	Pancreatitis positive	421.1	419.2
15	Pancreatitis is normal	145.1	152.4
16	Pancreatitis positive	1298.4	1301.5
17	Pancreatitis is normal	124.5	128.5
18	Pancreatitis positive	652.1	692.1
19	Pancreatitis positive	387.25	401.2
20	Pancreatitis is normal	137.5	142.5

NOTE:
The clinical symptoms of Sample 7 were fatty liver, hyperlipidaemia and diabetes.

cPL		InSight V-IA		
		Positive	Negative	Total
IDEXX	Positive	10	1	11
	Negative	0	9	9
	Total	10	10	20

Positive Coincidence Rate	100%
Negative Coincidence Rate	90%
Total Coincidence Rate	95%

Reference Range of PL in Canine Blood

Detection Range: 10-1000 ug/L

Reference Range:

Signification	ug/L
Normal (Low Risk)	<200
High Risk	200-400
Pancreatitis	>400

Each laboratory should establish a reference range that represents the fauna to be assessed.