



InSight Canine-IA cPL Evaluation  
vs. IDEXX cPL

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.

#### **cPL**

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

#### **Comparison Items**

##### **InSight Canine-IA:**

Test Item – cPL

Quantity of Samples – 20 Tests

Instrument – InSight Canine-IA Veterinary Immunoassay Analyser

##### **IDEXX:**

Test Item – cPL

Quantity of Samples – 20 Tests

Instrument – SNAP\*

#### **Results**

| Sample | Clinical Symptoms      | InSight Canine-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 Canine-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.**