For Diagnosis of Pancreatitis in Felines

The Vcheck fPL is an in vitro diagnostic test kit for the in-clinic, quantitative measurement of feline pancreas-specific lipase concentration in feline serum, plasma and whole blood. This concentration correlates very well with pancreatic inflammation and can detect pancreatitis because it measures enzymes specifically secreted by the pancreas. Testing can be done with nonspecific clinical signs of pancreatitis, such as poor or absent appetite, lethargy, weight loss, dehydration and diarrhea.

Clinical Applications

- Overall, offers the best sensitivity and specificity compared to other serum markers
- To diagnose and rule out feline pancreatitis
- Time-course monitoring of pancreatitis in felines during recovery
- To assess the secondary damage to pancreas in case of other digestive diseases such as cholecystitis or enteritis, etc.

Specifications

- **Species**: Feline
- **Sample Type**: Serum, EDTA plasma µl or EDTA whole blood 50 µl
- **Measurement**: Quantitative
- **Range**: 1-50 ng/ml
- **Testing Time**: 15 minutes
- **Storage Condition**: 1 - 30º C

Simple Testing Procedure

1. **Dilute Sample**
   - Draw 50 µl whole blood or 25 µl of serum (plasma) and add the sample into an assay diluent tube (100 µl).
2. **Mix**
   - Use a 100 µl pipette to mix the sample with diluent by pipetting 5 - 6 times.
3. **Measure**
   - Add 100 µl of the mixed sample to the sample well of the test device and press [START].

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Number</th>
<th>Product Type</th>
<th>Packing Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vcheck fPL 2.0</td>
<td>VCF127DD</td>
<td>Device</td>
<td>10 Tests/Kit</td>
</tr>
</tbody>
</table>
A Closer Look: fPL

The Vcheck fPL test kit is a fluorescent immunoassay for the quantitative measurement of feline pancreas-specific lipase concentration. It uses specific anti-fPL antibodies that bind to fPL, resulting in an accurate concentration of feline pancreas-specific lipase in the feline serum, plasma or whole blood. When using whole blood, the test results may be affected since each individual has different hematocrit levels (HCT; volume percentage of red blood cells) in blood. HCT levels less than 20% may cause false high values and HCT levels greater than 60% may cause false low values.

The Vcheck fPL provides a quantitative measurement of feline pancreas-specific lipase levels and can be used with any cat presenting with vomiting, fever, anorexia, depression or abdominal pain to diagnose pancreatitis. Up to 75% of felines have acute or chronic pancreatitis, and fPL can help with a quick diagnosis. This test maintains its high accuracy from previous products, providing greater accuracy at low concentrations.

**PLI Testing**

<table>
<thead>
<tr>
<th>≤ 3.5 ng/ml</th>
<th>3.6 - 5.3 ng/ml</th>
<th>≥ 5.4 ng/ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pancreatitis very unlikely</td>
<td>Equivocal</td>
<td>Pancreatitis</td>
</tr>
</tbody>
</table>

*Internal Evaluation Data

Specific Clinical Application

The Vcheck fPL test kit is a fluorescent immunoassay for the quantitative measurement of feline pancreas-specific lipase concentration. It uses specific anti-fPL antibodies that bind to fPL, resulting in an accurate concentration of feline pancreas-specific lipase in the feline serum, plasma or whole blood. When using whole blood, the test results may be affected since each individual has different hematocrit levels (HCT; volume percentage of red blood cells) in blood. HCT levels less than 20% may cause false high values and HCT levels greater than 60% may cause false low values.

Vcheck fPL 2.0

(Correlation between serum and plasma)

\[ y = 0.9099x - 0.0124 \]

\[ R^2 = 0.9898 \]

*Internal Evaluation Data

For More Information on Vcheck V200 or V2400 analyzers visit:

bionote.com

customerservice@bionote.com

800-727-5169

LEARN MORE about the fPL test