MERCODIA OVINE INSULIN ELISA
10-1202-01

WHEN ACCURACY MATTERS
www.mercodia.com
**Intended use**
A high quality enzyme immunoassay for the quantification of ovine in serum or plasma.

**Test principle**
Mercodia Ovine Insulin ELISA is a solid phase two-site enzyme immunoassay based on the sandwich technique, in which two monoclonal antibodies are directed against separate antigenic determinants on the insulin molecule. Insulin in the sample reacts with anti-insulin antibodies bound to microtitration wells and peroxidase-conjugated anti-insulin antibodies in the solution.

**Test characteristics**

**Sensitivity**
The detection limit is 0.025 µg/L as determined with the methodology described in ISO11843-Part 4.

**Recovery**
Recovery upon addition is 94 - 114 % (103 %). Recovery upon dilution is 68 - 122 % (89 %).

**Precision**
Each sample was analyzed in 4 replicates on 19 different occasions.

<table>
<thead>
<tr>
<th>Sample</th>
<th>Mean value (µg/L)</th>
<th>within assay %</th>
<th>between assay %</th>
<th>total assay %</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0.201</td>
<td>3.7</td>
<td>6.5</td>
<td>6.8</td>
</tr>
<tr>
<td>2</td>
<td>0.403</td>
<td>12</td>
<td>4.5</td>
<td>4.6</td>
</tr>
<tr>
<td>3</td>
<td>0.859</td>
<td>17</td>
<td>4.7</td>
<td>4.8</td>
</tr>
</tbody>
</table>

**Performance limitations**
Grossly lipemic, icteric or haemolyzed samples do not interfere in the assay.

**Specificity**
The following cross-reactions have been tested:
- NovoRapid: 2.0 %
- Levemir: < 0.0000004 %
- Lantus: 21 %
- Humalog: < 0.000001 %

**Samples**
Serum, EDTA, heparin and citrate plasma can be used.

**Measurement range**
0.05 - 3.0 µg/L

**Catalog No**
10-1202-01 1 x 96 wells