PRODUCT SPECIFICATION SHEET

Selenotest ELISA Kit (Version 2)

Product code: Selenotest ELISA 96 tests
Recommended storage: +2°C … +8°C
Intended use: For the in-vitro measurement of human selenoprotein P (SEPP1, P49908) concentrations in serum samples [1]. For research use only. Not for use in diagnostic procedures.

Specification valid for: LOT MSP013002
Expiry date: 2014-10-18
Detection range: 6.0 – 835.6 ng/mL
Quantification range: 11.4 – 411.7 ng/mL
Recommended sample dilution: 31-fold (5.0 µL serum into 150 µL sample dilution buffer BSD)

CALIBRATION AND RUN ACCEPTANCE CRITERIA: Selenotest ELISA Standards and Controls were calibrated against NIST 1950 standard reference plasma [2,3].

<table>
<thead>
<tr>
<th>CALIBRATOR</th>
<th>Selenoprotein P [ng/mL]</th>
<th>Valid recovery range [ng/mL]</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAL 1</td>
<td>6.0</td>
<td>3.0 – 9.0</td>
</tr>
<tr>
<td>CAL 2</td>
<td>11.4</td>
<td>9.1 – 13.7</td>
</tr>
<tr>
<td>CAL 3</td>
<td>23.0</td>
<td>18.4 – 27.6</td>
</tr>
<tr>
<td>CAL 4</td>
<td>50.8</td>
<td>40.6 – 61.0</td>
</tr>
<tr>
<td>CAL 5</td>
<td>105.8</td>
<td>84.6 – 126.9</td>
</tr>
<tr>
<td>CAL 6</td>
<td>226.0</td>
<td>180.0 – 271.2</td>
</tr>
<tr>
<td>CAL 7</td>
<td>411.7</td>
<td>329.3 – 494.0</td>
</tr>
<tr>
<td>CAL 8</td>
<td>835.6</td>
<td>417.8 – 1,253.3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONTROL</th>
<th>Selenoprotein P [ng/mL]</th>
<th>Valid recovery range [ng/mL]</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON 1</td>
<td>15.4</td>
<td>10.8 – 20.0</td>
</tr>
<tr>
<td>CON 2</td>
<td>68.5</td>
<td>48.0 – 89.1</td>
</tr>
<tr>
<td>CON 3</td>
<td>274.2</td>
<td>192.0 – 356.5</td>
</tr>
</tbody>
</table>

IMPORTANT NOTE: This calibration is valid only for the Selenotest ELISA kit batch specified above and the measurement of human selenoprotein P in diluted serum samples.


VERIFIED BY: Torsten Schulz
DATE: 2013-12-12

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