**Product datasheet**

**Human Progesterone ELISA Kit ab108670**

**Overview**

**Product name**  
Human Progesterone ELISA Kit

**Detection method**  
Colorimetric

**Sample type**  
Serum, Heparin Plasma, Citrate Plasma

**Assay type**  
Competitive

**Sensitivity**  
0.05 ng/ml

**Range**  
0.2 ng/ml - 40 ng/ml

**Recovery**  
106%

**Assay duration**  
Multiple steps standard assay

**Species reactivity**  
Reacts with: Human  
Predicted to work with: Mammals

**Product overview**

Abcam’s Progesterone in vitro competitive ELISA (Enzyme-Linked Immunosorbent Assay) kit is designed for the accurate quantitative measurement of Progesterone in serum and plasma. A 96-well plate has been precoated with anti-Progesterone. Samples and the Progesterone-HRP conjugate are added to the wells, where Progesterone in the sample competes with the added Progesterone-HRP for antibody binding. After incubation, the wells are washed to remove unbound material and TMB substrate is then added which is catalyzed by HRP to produce blue coloration. The reaction is terminated by addition of Stop Solution which stops the color development and produces a color change from blue to yellow. The intensity of signal is inversely proportional to the amount of Progesterone in the sample and the intensity is measured at 450 nm.

**Tested applications**  
Suitable for: Competitive ELISA

**Platform**  
Microplate

**Properties**

**Storage instructions**  
Store at +4°C. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>Identifier</th>
<th>1 x 96 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X Wash Solution</td>
<td>1 x 50ml</td>
<td></td>
</tr>
<tr>
<td>Anti-Progesterone IgG Coated Wells</td>
<td>1 unit</td>
<td></td>
</tr>
<tr>
<td>Components</td>
<td>Identifier</td>
<td>1 x 96 tests</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Cover foils</td>
<td>1 unit</td>
<td></td>
</tr>
<tr>
<td>Progesterone control</td>
<td>1 x 1ml</td>
<td></td>
</tr>
<tr>
<td>Progesterone Standard 0 - 0 ng/mL</td>
<td>1 x 1ml</td>
<td></td>
</tr>
<tr>
<td>Progesterone Standard 1 - 0.2 ng/mL</td>
<td>1 x 1ml</td>
<td></td>
</tr>
<tr>
<td>Progesterone Standard 2 - 1.0 ng/mL</td>
<td>1 x 1ml</td>
<td></td>
</tr>
<tr>
<td>Progesterone Standard 3 - 8.0 ng/mL</td>
<td>1 x 1ml</td>
<td></td>
</tr>
<tr>
<td>Progesterone Standard 4 - 40.0 ng/mL</td>
<td>1 x 1ml</td>
<td></td>
</tr>
<tr>
<td>Progesterone-HRP Conjugate</td>
<td>1 x 22ml</td>
<td></td>
</tr>
<tr>
<td>Stop Solution</td>
<td>1 x 15ml</td>
<td></td>
</tr>
<tr>
<td>Strip holder</td>
<td>1 unit</td>
<td></td>
</tr>
<tr>
<td>TMB Substrate Solution</td>
<td>Yellow cap</td>
<td>1 x 15ml</td>
</tr>
</tbody>
</table>

**Applications**

Our Abpromise guarantee covers the use of ab108670 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Competitive ELISA</td>
<td>Use at an assay dependent dilution.</td>
<td></td>
</tr>
</tbody>
</table>

**Images**

![Typical Standard Curve](image)

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