Inhibin A

- Only automated Inhibin A assay
- Time to First Result: 56 minutes
- Standardized to the DSL Inhibin A ELISA
- Total imprecision of < 8% at concentrations greater than 30 pg/mL
- Detection of dimeric Inhibin A

2-step sandwich technique

1. Sample containing Inhibin A + Paramagnetic particles coated with mouse anti-Inhibin A MAb + Buffer A Buffer B → ⬤ Wash 3 times
2. Mouse anti-Inhibin A MAb alkaline phosphatase conjugate → Incubate at ~36°C for 15 minutes → Sandwich formation → ⬤ Wash 3 times
3. Add substrate → Incubate 5 minutes → Dioxetane-P → Detect light

Signal produced is directly proportional to the Inhibin A concentration in the sample.
Inhibin A

Performance

Method Comparison – A comparison of 124 values generated from first and second trimester pregnancy samples using the Access® Inhibin A assay on the Access Immunoassay system and a commercially available immunoassay kit gave the following statistical data using Passing-Bablock.

![Graph showing method comparison](image)

Characteristics

<table>
<thead>
<tr>
<th>Sample Type/Size</th>
<th>Serum or Plasma (EDTA, Heparin)/70 µL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time to First Result</td>
<td>56 minutes</td>
</tr>
<tr>
<td>Analytical Sensitivity</td>
<td>&lt; 1 pg/mL</td>
</tr>
</tbody>
</table>

Expected Values

See Access Inhibin A Instructions For Use

Calibration Stability

28 days

Imprecision

<table>
<thead>
<tr>
<th>Sample</th>
<th>Mean Dose (pg/mL)</th>
<th>Within Run (%CV)</th>
<th>Between Run (%CV)</th>
<th>Total Imprecision (%CV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>51.633</td>
<td>4.04%</td>
<td>4.28%</td>
<td>5.89%</td>
</tr>
<tr>
<td>2</td>
<td>78.456</td>
<td>4.17%</td>
<td>2.91%</td>
<td>5.09%</td>
</tr>
<tr>
<td>3</td>
<td>176.239</td>
<td>4.01%</td>
<td>3.72%</td>
<td>5.47%</td>
</tr>
<tr>
<td>4</td>
<td>331.710</td>
<td>3.96%</td>
<td>2.91%</td>
<td>4.91%</td>
</tr>
<tr>
<td>5</td>
<td>676.600</td>
<td>3.83%</td>
<td>6.05%</td>
<td>6.05%</td>
</tr>
</tbody>
</table>

Mean = 4.00%  Mean = 3.97%  Mean = 5.48%

Ordering Information

Access® Inhibin A Reagent Pack - 2 packs of 50 tests/pack  A36097
Access® Inhibin A Calibrators - S0 – S6, 2.5 mL/vial  A36098
Access® Inhibin A QC - 2.5 mL/vial, 2 vials each level (~150 pg/mL, 400 pg/mL, 800 pg/mL)  A36100