myo-Inositol Assay Kit (Fluorometric) ab252896

Overview

Product name: myo-Inositol Assay Kit (Fluorometric)
Detection method: Fluorescent
Sample type: Other biological fluids, Cell Lysate, Tissue Lysate
Product overview: myo-Inositol Assay Kit (Fluorometric) (ab252896) gives the user a specific, rapid, high-throughput adaptable method for determination of this molecule in biological samples. A Sample Clean-Up Mix is provided for easy removal of glucose in the sample that may contribute to background. Our assay will quantify amounts of inositol as low as 20 pmoles.

Platform: Microplate

Properties

Storage instructions: Store at -20°C. Please refer to protocols.

Components

<table>
<thead>
<tr>
<th>Component</th>
<th>100 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inositol Assay Buffer</td>
<td>1 x 25ml</td>
</tr>
<tr>
<td>Inositol Developer</td>
<td>1 vial</td>
</tr>
<tr>
<td>Inositol Enzyme Mix</td>
<td>1 vial</td>
</tr>
<tr>
<td>Inositol Standard</td>
<td>1 vial</td>
</tr>
<tr>
<td>Probe (in DMSO)</td>
<td>1 x 400µl</td>
</tr>
<tr>
<td>Sample Clean-Up Mix</td>
<td>1 vial</td>
</tr>
</tbody>
</table>

Images
**Myo-Inositol standard curve.**

Serum was treated with Sample Clean-Up Mix and passed through a 10 kDa spin column and diluted 10-fold. 5-20 µL of the filtrate was run in the assay.

**Myo-Inositol content of pooled human serum.**

Human breast milk (20 µL) was diluted 5-fold with PBS and treated with Sample Clean-Up Mix, and after centrifugation, 2-8 µL of the filtrate was assayed.

**Myo-Inositol determination in human breast milk.**
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