For effective desalting & enrichment of peptides

GL-Tip SDB/GC

For proteome analysis, it is necessary to desalt and enrich peptides before introducing samples to MS.

GL Sciences now introduces GL-Tip (200µl) series: GL-Tip SDB, tips packed with Empore DISK SDB (styrene divinylbenzene co-polymer) and GL-Tips GC, tips packed with graphite carbon.

GL-Tip SDB shows stronger retentivity than existing C18 tips. This strong retentivity enables more peptides (proteins) to be captured than trapped by existing C18 tips. GL-Tip GC enables the retention and recovery of highly hydrophilic peptides. Therefore the combination of GL-Tip SDB and GC realizes wider peptide coverage than ever.

GL-Tip adapts centrifuge method.

Features
- Highly retentive
- High yield
- Easy to operate

Specifications

<table>
<thead>
<tr>
<th></th>
<th>GL-Tip SDB</th>
<th>GL-Tip GC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample</td>
<td>Tyr (PO3H2)4-Angiotensin II</td>
<td>Gly-Gly-Tyr-Arg</td>
</tr>
<tr>
<td>Tip volume</td>
<td>200 µL</td>
<td>1mg/200 µL</td>
</tr>
<tr>
<td>Binding Capacity</td>
<td>60 µg</td>
<td>30 µg</td>
</tr>
</tbody>
</table>

※The maximum sample loading volume depends on the matrix.

Recommended Protocol

- **Conditioning**: 20µL of solution B → 3,000g, 2min
- **Equilibration**: 20µL of solution A → 3,000g, 2min
- **Sample loading**: → 3,000g, 5min
- **Rinse**: 20µL of solution A → 3,000g, 2min
- **Elute**: 20µL of solution B → 3,000g, 2min
Phosphopeptide Enrichment using GL-Tip & Titansphere Phos-TiO

The solution containing phosphopeptides enriched by Titansphere Phos-TiO Kit from HeLa cell elution was desalted by GL-Tip SDB and GC. GL-Tip SDB traps a wide range of peptides while GL-Tip GC captures highly hydrophilic peptides.

Ordering Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty</th>
<th>Tip Volume</th>
<th>Cat. No.</th>
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<tbody>
<tr>
<td>GL-Tip SDB</td>
<td>96</td>
<td>200µl</td>
<td>7820-11200</td>
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<tr>
<td>GL-Tip GC</td>
<td>96</td>
<td>200µl</td>
<td>7820-11201</td>
</tr>
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<td>Adaptor for GL-Tip*</td>
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<td>-</td>
<td>5010-21514</td>
</tr>
</tbody>
</table>

*Please note the adaptor is reusable

Distributor:

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