**EndoTrap® family: Endotoxin removal products**

**EndoTrap®, affinity chromatography for highly specific and efficient endotoxin removal**

EndoTrap® removes endotoxins (lipopolysaccharides/LPS) from aqueous solutions of a wide range of samples such as proteins, antibodies, vaccines, nucleic acids, buffers and cell extracts with excellent sample recovery rate. **More than 150 scientists** using EndoTrap® Endotoxin Removal Kits have published their results.

**New Performance Data for EndoTrap®**

A new study describes the efficiency of four endotoxin removal resins from different suppliers including EndoTrap®. **EndoTrap® HD** supplied by Hyglos was shown to be the most effective resin for removing endotoxins in comparison to the other resins tested.

**NEW Product Release: EndoTrap® HD 1/1 and EndoTrap® HD S/1 - High Definition Endotoxin Removal**

Hyglos High-Definition Matrix for endotoxin removal is now available also for small-scale purification as pre-filled columns.

**Features:**

- **Best-in-class** endotoxin binding capacity of > 5,000,000 EU/ml
- Removes more than **99.99%** of LPS
- Excellent sample recovery rate >95%
- Non-toxic bacteriophage-derived ligand, no cytotoxic effects
- **Re-use** more than 10 times
- Quick and easy to use in column (gravity flow) or batch mode
- Up-scaling on fully automated liquid-chromatographic systems possible

**Products & Applications:**

<table>
<thead>
<tr>
<th></th>
<th>EndoTrap® red</th>
<th>EndoTrap® blue</th>
<th>EndoTrap® HD</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPS binding capacity:</td>
<td>2,000,000 EU/ml resin</td>
<td>2,000,000 EU/ml resin</td>
<td>&gt; 5,000,000 EU/ml resin</td>
</tr>
<tr>
<td>Reusability:</td>
<td>3 times</td>
<td>3 times</td>
<td>More than 10 times</td>
</tr>
<tr>
<td>pH sample buffer:</td>
<td>6-9</td>
<td>4-9</td>
<td>4-10</td>
</tr>
<tr>
<td>Suitable Buffers:</td>
<td>Calcium chelators</td>
<td>Suitable for high salt conditions (&gt; 150 mM NaCl)</td>
<td>Suitable for high salt conditions (&gt; 150 mM NaCl)</td>
</tr>
</tbody>
</table>
Sample Applications:


Measured values for BSA, MAK (monoclonal antibody) and POD (peroxidase) with EndoTrap HD®.

For further characteristics (sample concentration, detergents, bacterial strains) see "Short introduction into the EndoTrap® family" (page 2).

For a list of purified samples and recommended EndoTrap® resins see the Costumer Application List.

For further information please see the Frequently Asked Questions (FAQ) about EndoTrap® or contact Hyglos' technical support team.

Price list and order form.

Quantification of ligand leakage

We provide an EndoTrap® Leakage ELISA for the quantitative determination of EndoTrap® HD and blue binding ligand

Accessories:

Buffers, columns, funnels

Endotoxin-free sample collection tubes

References:

1. Lorenz, Natalie et. al. (2013) in: Immunology and Cell Biology
2. Schlapschy, Martin et. al. (2013) in: Protein Engineering Design and Selection
3. Katakura, Fumihiko et. al. (2013) in: Developmental & Comparative Immunology
4. Stano, Armando et. al. (2013) in: Biomaterials
5. Akiyama, Hironori et. al. (2013) in: Molecular and Cellular Endocrinology
7. Triantafilou, Martha et. al. (2013) in: PLoS ONE
8. Lee, Haeyong et. al. (2013) in: Biochimica et Biophysica Acta

Here you can find more publications and reference costumers.