Product Launch Folder

MultiStar
Immunoaffinity columns for multimycotoxins analysis
Product Description

Due to the high incidence of co-occurrence of mycotoxins in food or feed products, the availability of reliable, sensitive, and versatile multi-mycotoxin methods is assuming a relevant importance. Both with HPLC and with LC-MS/MS methods, the removal of matrix interferences is often key to meet the specifications set by the local authorities.

The use of immunoaffinity columns in the clean-up of single mycotoxins of complex food and feed extracts is a well established practice in service laboratories. This especially applies for the determination of regulated mycotoxins, such as aflatoxins, ochratoxins, zearalenone, deoxynivalenol, fumonisins and T2-toxin.

The MultiStar™ - Immunoaffinity Column combines the high purification potential of an immunoaffinity column with the convenience of a multimycotoxin analysis, so that all the regulated mycotoxins can be determined in parallel in one single run.
Technical Description

Working Range:
- 0.02 – 3 ng Aflatoxins
- 0.02 – 2 ng Ochratoxins
- 0.2 – 20 ng Zearalenone
- 1 – 350 ng Deoxynivalenol
- 0.2 – 400 ng Fumonisins
- 0.2 - 400ng T-2/HT-2 Toxins

Column capacity:
- 500 ng Aflatoxins
- 700 ng Ochratoxin
- 900 ng Zearalenone
- 900 ng Deoxynivalenol
- 6000 ng Fumonisins
- 3000 ng T2-Toxin

Cross reactivity:
- Aflatoxin B1 (100%), B2 (86%), G1 (101%), G2 (82%), M1 (81%)
- Ochratoxin A (100%), Ochratoxin B (103%)
- Zearalenon (100%), α-Zearalanol (99%), β-Zearalanol (94%), α-Zearalenol (97%), β-Zearalenol (86%)
- Deoxynivalenol (100%), Nivalenol (31%), 15-Acetyl-deoxynivalenol (33%), 3-Acetyl-deoxynivalenol (<1%)
- Fumonisin B1 (100%), Fumonisin B2 (103%)
- T-2 Toxin (100%), HT-2 (118%)
Benefits for the customer:

Protecting the business and brand
- Highly accurate and precise results
- Highly pure extracts & improved method sensitivity

Increasing confidence in results
- Reliable results: Excellent recovery results for all samples tested
- Clear & structured workflow

Complying with external standard
- Fast customer support
- Customized validations possible

Order Information

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Item No.</th>
<th>Number of columns</th>
</tr>
</thead>
<tbody>
<tr>
<td>MultiStar Immunoaffinity columns</td>
<td>10005407</td>
<td>25</td>
</tr>
</tbody>
</table>

CONTACT

Product Manager

Martina BELLASIO, PhD
Phone: +43 2782 803 0
Mail: martina.bellasio@romerlabs.com