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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 Fumonisin
- 0.2 - 400ng T-2/HT-2 Toxins

Column capacity:

- 500 ng Aflatoxins
- 700 ng Ochratoxin
- 900 ng Zearalenone
- 900 ng Deoxynivalenol
- 6000 ng Fumonisin
- 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

Product Name	Item No.	Number of columns
MultiStar Immunoaffinity columns	10005407	25

CONTACT

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