

Trade fairs cancelled. And now? LCTech presents its product news.

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Products

Immunoaffinity columns and consumables

Immunoaffinity and Clean-up Columns

MYKOTOXINS

Fast and Efficient Sample Clean-up

The LCTech columns are based on immunoaffinity (DONeX on SPE) and are suitable for the clean-up of food and feed samples ready for subsequent analysis. High maximum loading capacities enable a remarkable variety of applications, from baby food to feed.

The used antibodies show a high specificity against the respective mycotoxin. The chromatographic results are excellent without interfering signals and achieve very high recovery rates – even in the most difficult samples.



The immunoaffinity columns are successfully employed for the most diverse matrices in accredited laboratories worldwide. These columns performed well in international interlaboratory trials. Different columns formats offer higher flexibility and optimise sample preparation in the laboratory: The standard columns convince with a long shelf life of 24 month. In addition some of the clean-up columns are available as inexpensive version (Select type) in a 3 mL format. These can be stored refrigerated and have a shelf life of 9 months. SMART clean-up columns are incredibly small. These 3 cm immunoaffinity columns are AOAC compliant. Their use results in markedly reduced solvent consumption and processing time.

Since LCTech produces both antibodies and clean-up columns, comprehensive quality testing throughout the entire manufacturing process ensures high product quality. All clean-up columns are suitable for automated processing and are useful, for example, in the LCTech devices [FREESTYLE SPE](#) or [FREESTYLE ThermELUTE™](#).

NEW: QuEChERS Columns for Multi-Mycotoxin Analysis

17 mycotoxins in one shoot with CrossTOX®!

Aflatoxins B/G

AflaCLEAN, AflaCLEAN Select and AflaCLEAN SMART

Aflatoxins are naturally occurring mycotoxins, which are highly toxic for humans and animals. The aflatoxins are produced by mold (e.g. *Aspergillus flavus*) as primary contaminants in various food and feed stuffs.

[Read more ...](#)

Aflatoxin M1

AflaCLEAN M1 Select and AflaCLEAN M1 SMART

Aflatoxin M1 is a derivate of aflatoxin B1, which is taken up by animals via food and then converted into aflatoxin M1. It can be found in milk and dairy products.

[Read more ...](#)

Ochratoxin A

OtaCLEAN and OtaCLEAN SMART

Ochratoxin A is a naturally occurring mycotoxin, which is highly toxic for humans and animals. Ochratoxin a is produced by various Aspergillus and Penicillium species as primary contaminant in various food and feed stuffs.

[Read more ...](#)

Aflatoxins and Ochratoxin A

Afla-OtaCLEAN

Aflatoxins and ochratoxin A are produced by fungi in wet storage. They are often found together in many foods and feeds like Rice, Raisins, Corn or Pepper (black).

[Read more ...](#)

Multi-Mycotoxin Determination

CrossTOX[®]

Highly efficient clean-up of up to 17 regulated and expected mycotoxins in only one run. Improve the conventional dilute-and-shot application by a QuEChERS based procedure.

[Read more ...](#)

SPE Columns

Glass Columns and BioteX (Biotin)

Biotin is a naturally occurring vitamin that belongs to the family of B vitamins (B7) and is one of the water-soluble vitamins. It can be found ubiquitously in many foods.

[Read more ..](#)

H53

Elufix Florisil Ready-to-use Columns made of Glass

As highly selective adsorbent Florisil[®] is broadly used in preparative and analytical chromatography: for the cleanup of pesticide residues, for the isolation of antibiotica and alkaloids, for vitamin assays ...

[Read more ...](#)

Further Mycotoxins

DONeX and ZeaCLEAN SMART

Deoxynivalenol and Zearalenone are naturally occurring mycotoxins, which are toxic for humans and animals. The Fusarium fungi occurs predominantly on cereals (wheat, barley, oats).

[Read more ...](#)

Matrix of the Month

Sample Preparation and Analysis of Mycotoxins

No matter what - raisins, drinking chocolate or peanut flaps, aflatoxin B1, B2, G1, G2 or ochratoxin A, wether manual or automated processing, we will find a solution!

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