QuEChERS Columns

For multi-mycotoxin analysis

18 mycotoxins at one go!

The CrossTOX[®] columns by LCTech allow a high efficient sample clean-up of regulated and expected mycotoxins in many matrices. At the same time, the columns improve the conventional dilute-and-shoot process via an QuEchERS based procedure:

- **High purity** of extracts due to special sorbents for high matrix binding; no separate syringe filtration
- Significantly **less 13C Internal standard** required due to special affinity mechanism of the columns
- Extension of cleaning and maintenance intervals of your LC-MS/MS system due to the high purity of the extracts
- Only one column for a wide range of applications

Catch them all

Aflatoxine B1, B2, G1, G2 Ochratoxin A Zearalenon Deoxynivalenol Fumonisine B1, B2 T-2 HT-2 Nivalenol 3-Acetyl-DON 15-Acetyl-DON DON-3Glc Sterigmatocystin Citrinin Diacetoxyscirpenol



The CrossTOX[®] columns are suitable for both manual and automated processing. Please find in the following **your advantages compared to the conventional Dilute-and-Shoot** procedure:



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Range of Applications

The range of applications for CrossTOX[®] is remarkably wide. With only one extraction protocol the columns can be used for all matrices commonly in this analysis, e.g. cereals, nuts or dried fruits. The UV-chromatogram shows the very high clean-up efficiency of CrossTOX[®]. The pink line represents a wheat sample cleaned via the conventional dilute-and-shoot procedure (syringe filtration). The black line represents clean-up via CrossTOX[®]. This shows the substantial improvement using the CrossTOX[®] Column clean-up compared to the dilute-and-shoot approach.

*A constantly growing list of all matrices tested so far can be found at <u>www.LCTech.de</u>. We would also be happy to receive your feedback.

Recovery rates compliant to EN 401/2006



Processing via FREESTYLE

For automated processing of the CrossTOX® columns the FREESTYLE system offers the options:

- from raw extract to cleaned sample or
- from raw extract to chromatogramm (full automation)

In order to realize the highest possible degree of automation, the FREESTYLE SPE robotic system is upgraded with an HPLC Direct-Injection module for direct injection into your LC-MS/MS system. This enables the parallelization of clean-up and analysis for up to 120 samples/day and thus to an optimum utilization of your LC-MS/MS system.



Ordering Information

P/N	Description	Pc. / Pck.
17900	CrossTOX® Clean-up Columns Manual processing	100 Pc. / Pck.
17901	CrossTOX® Clean-up Columns Automated processing	100 Pc. / Pck.
FREE STYLE Robotic System FREESTYLE SPE + HPLC Direct-Injection-Module. We are happy to send you a suitable configuration on request.		



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