



Sample preparation à la LC Tech

LC Tech helps analytical laboratories expand their testing capabilities for cannabis and cannabis-containing products for **mycotoxins** and **pesticides** with exceptional clean-up columns that can be easily automated:

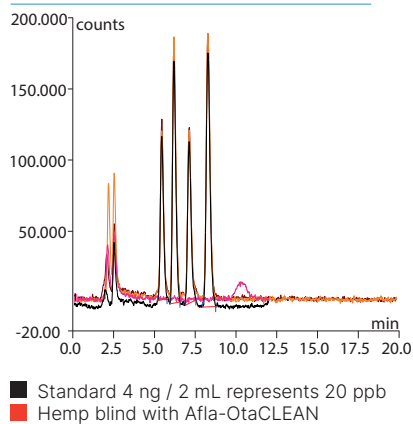
Mycotoxin - Analysis

Immunoaffinity columns such as the Afla-OtaCLEAN columns for both regulated mycotoxins at once

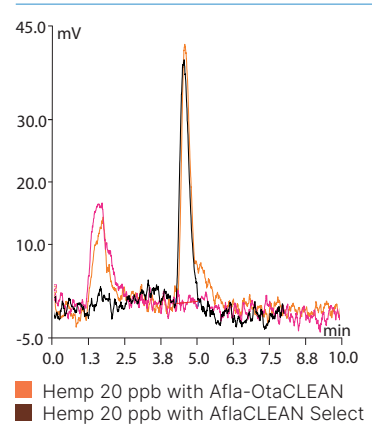
- Afla-OtaCLEAN for simultaneous clean-up for aflatoxins B/G and ochratoxins
- Save time & money
- Best results in international round robin tests
- Miniaturised variant available
- Recovery rates show exceptional results for the toxins



Chromatogram aflatoxin B/G



Chromatogram ochratoxin A



CrossTOX® columns - 18 mycotoxins in one go for LC-MS/MS-based analysis

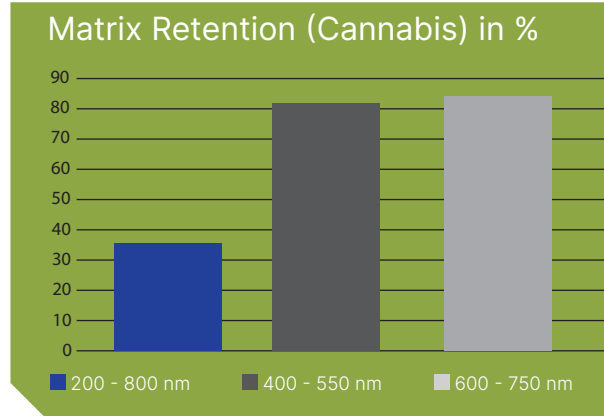
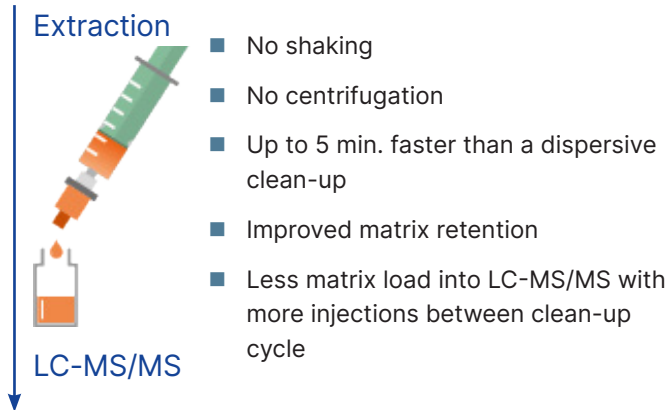
- Reduced background noise during analysis
- Very good peak identification of aflatoxins and others
- A higher sensitivity is achievable due to minimised matrix effects after concentration
- Significant reduction of LC-MS/MS down-times
- No internal standard necessary for the majority of toxins

"Dilute-and-Shoot"
with CrossTOX®

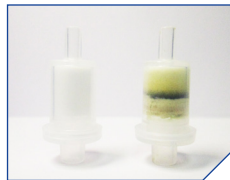


Pesticide - Analysis

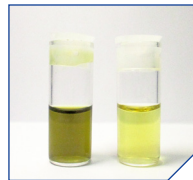
Non-dispersive QuEChERS application for pesticide analysis in cannabis



QuEChERS PESTICIDE column



Column before and after clean-up



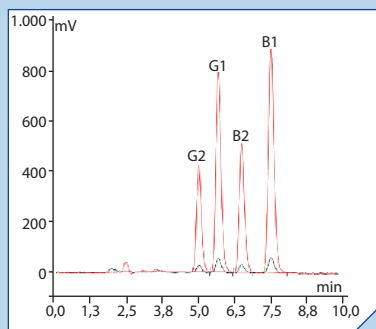
Sample before and after clean-up

Automate your cannabis clean-up with the *FREESTYLE* robotic system

Highest Sensitivity Through Automation

Full automation using the SMART columns in the FREESTYLE ThermELUTE™ enables not only a higher sample throughput but also the highest analytical sensitivity, since the eluate is quantitatively transferred into the HPLC system.

- Increase your sample throughput
- Achieve reliable, reproducible results
- Increase your analytical sensitivity by a factor of 14:



Sensitivity gain by a factor of 14 on a 3 mL column

- Manual Clean-up
- Automated with FREESTYLE ThermELUTE™

