

Mycospin™ 400 Multitoxin Spin Column

in combination with ¹³C isotope labeled internal standards

RomerLabs® has developed a spin column that can be used for the majority of regulated mycotoxins to shorten the time-consuming cleanup process for the simultaneous analysis of multiple mycotoxins.

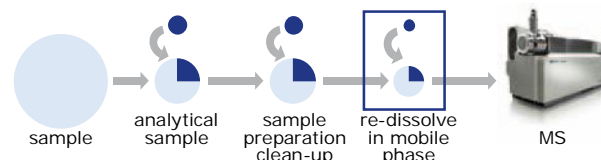
The MycoSpin™ 400 Multitoxin spin column contains a combination of adsorbents that was designed for the purification of complex commodity extracts for subsequent LC-MS/MS multi-mycotoxin analysis. This cleanup column has been studied intensively and application briefs are available.



Order Information:
Mycospin™ 400 Multitoxin
(Order No. COKMY2400 Box of 25)

Highly accurate LC-MS/MS results are achieved by combining the MycoSpin™ 400 cleanup with Biopure ¹³C isotope labeled internal standards.

Application of ¹³C internal standards in LC-MS/MS- Routine Mycotoxin Analysis



The ideal point of internal standard addition is into the mobile phase just before the injection of the sample into the LC-MS/MS system to ensure cost efficiency.

Commodities studied:

- grains
- feed
- silages

Recovery:

- Zearalenone >90 %
- Type A Trichothecenes >90 % (T2, HT2, Neos, DAS)
- Type B Trichothecenes >90 % (DON, AcDON, FusX, NIV)
- Total Aflatoxins >80 %
- Ochratoxin A >70 %

Variability:

<5 %

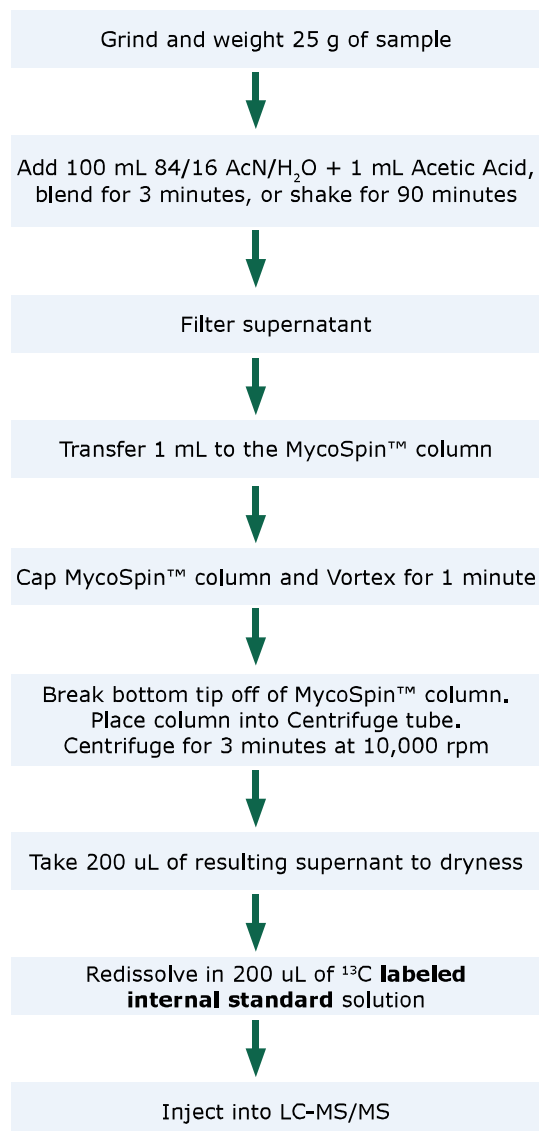
Time for clean up:

5 minutes



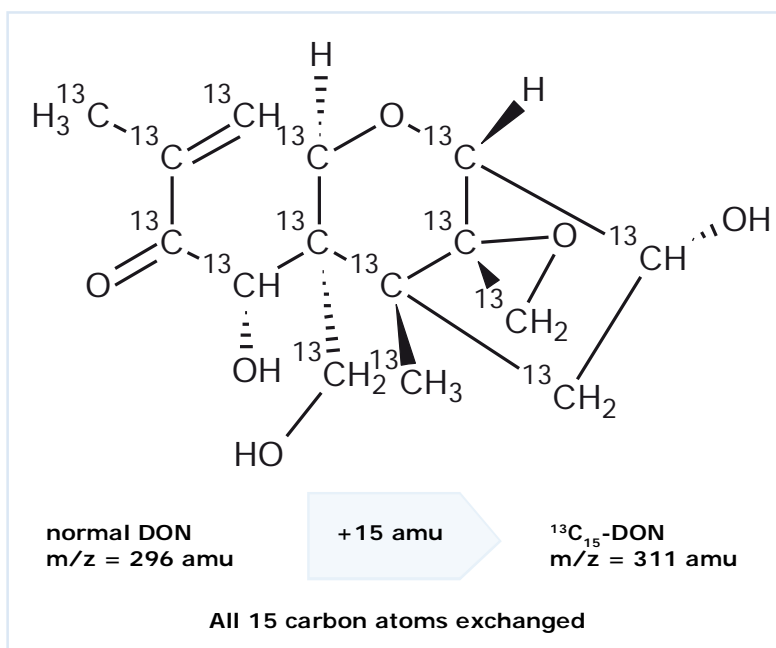
Mycospin™ 400 Multitoxin Spin Column
MYCOTOXINS

MycoSpin™ 400 LC-MS/MS sample preparation



Biopure fully ¹³C isotope labeled internal standards

Example: ¹³C₁₅ Deoxynivalenol



For further information, please contact:

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