MycoSpin® 400

Multitoxin LC-MS/MS Clean-up column
Item no. 10001961

Mycotoxins

Intended use:

MycoSpin® 400 Multitoxin LC-MS/MS clean-up columns are intended for the analysis of the mycotoxins ZON, type A trich, type B trich, aflatoxins, fumonisins and OTA in various commodities.

Commodities studied: Corn, rice, soy, barley, wheat, peanut, feed, mustard, corn gluten meal, DDGS

Recovery (corn):

- Zearalenone: 98 %
- Type A Trich: 108 % (T-2, HT-2, DAS)
- Type B Trich: 95 % (DON, Fus-X, NIV)
- Aflatoxins: 102 % (B1, B2, G1, G2)
- Fumonisins: 83 % (B1, B2, B3)
- Ochratoxin A: 98 %

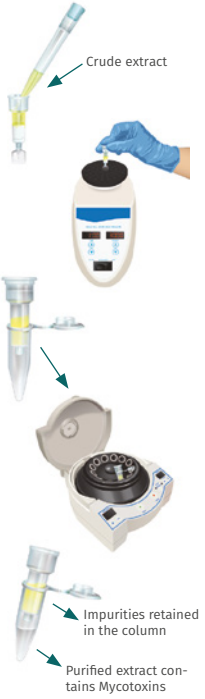
Variability (corn): < 15 %

Time for clean-up: 5 minutes

Solvents: Acetonitrile, water, acetic acid (all HPLC grade)

Romer Labs recommends the use of Biopure™ isotope labeled internal standards.

1. Weigh 25 g of a representative ground sample
2. Add 100 mL 50/50 (v/v) AcN/H2O
3. Blend for 3 minutes or shake for 90 min
4. Filter or centrifuge supernatant
5. Add 500 µL acetic acid to 10 mL filtered extract
6. Transfer 750 µL to the MycoSpin® column
7. Cap MycoSpin® and vortex for one minute
8. Turn MycoSpin® upside down, break the bottom tip off and place the column in the centrifuge tube
9. Centrifuge for 30 seconds at 10 000 rpm
10. Mix 75 µL of purified extract with 75 µL internal standard solution
11. Inject



Storage: Always store at room temperature (approx. 15 – 25 °C, 59 – 77 °F) in a dry place (preferably sealed in the original packaging protected from direct light). Do not use the clean-up columns beyond the expiration date.

IMPORTANT: Download certificate of analysis by scanning the QR code on the external label or by visiting https://www.romerlabs.com/en/customer-resources/

Romer Labs®
Making the World's Food Safer

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Notes for column use:

- The packing in the columns will shift during the shipping process, as MycoSpin® does not contain a frit. Before using the column, tap the MycoSpin® column while holding it in an upright position onto a flat object to settle all packing material into the bottom of the column.
- During transfer of sample extract into the MycoSpin® column, forcefully pipette the 750 µL of sample extract into the MycoSpin® column. This will allow the sample to flow into the packing material to expedite the clean-up process.
- Once the sample extract has been added to the MycoSpin® column, the extract may turn a light shade of blue.
- MycoSpin® columns are designed for single use only. Any improper use or reuse of the columns may affect the reliability of the results.
- Microcentrifuge tubes with a maximum volume of 2 mL are used with MycoSpin® column.
- Analytical methodology using MycoSpin® columns has been developed and validated by Romer Labs and is available by request. Validation of other methodology using MycoSpin® columns is the responsibility of the user.

Disclaimer/Warranty:

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You can find worldwide contact information and learn more about our complete line of products for mycotoxin testing on our website.

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