

MultiSep® 211 Fumonisin

Clean-up column
Item no. 10001937

Intended use:

MultiSep® 211 Fum clean-up columns are intended for the analysis of fumonisins in various commodities.

Commodities studied:

Corn, corn products, grains

Recovery:

> 80 %

Variability:

< 5 %

Time for clean-up:

10 minutes

Solvents:

Acetonitrile, water, methanol, acetic acid (all HPLC grade)

Romer Labs recommends the use of Biopure™ reference materials.

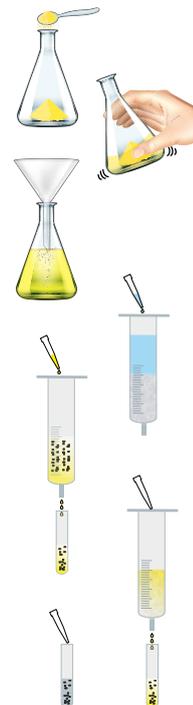
Storage: Always store at room temperature (approx. 15 – 25 °C, 59 – 77 °F) in a dry place (preferably sealed in the original packaging protected from direct light). Do not use the clean-up columns beyond the expiration date.

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

Mycotoxins



- 1 Weigh 25 g of a representative ground sample
- 2 Add 100 mL 50/50 (v/v) AcN/H₂O
- 3 Blend for 3 min or shake for 30 min
- 4 Filter or centrifuge supernatant
- 5 Adjust pH to 6–9
- 6 Mix 3 mL extract with 8 mL 3:1 MeOH:H₂O
- 7 Condition column by applying 5 mL of MeOH followed by 5 mL of 3:1 MeOH:H₂O
- 8 Apply 11 mL of diluted extract to conditioned MultiSep® 211
- 9 Wash column with 8 mL 3:1 MeOH:H₂O and 3 mL of MeOH
- 10 Elute with 10 mL 99:1 MeOH:acetic acid
- 11 Evaporate the eluate to dryness
- 12 Re-dissolve in mobile phase
- 13 Inject



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Special notes for column use:

- The packing in the columns may shift or settle during the shipping process. If this occurs, before using the column, push the frit firmly onto the packing material using a blunt object such as an unsharpened wooden pencil.
- MultiSep® columns are designed for single use only. Any improper use or reuse of the columns may affect the reliability of the results.
- Application notes for the use of MultiSep® columns have been developed by Romer Labs and are available on request. It is the responsibility of the user to validate any other methodology for the use of MultiSep® columns.

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.