

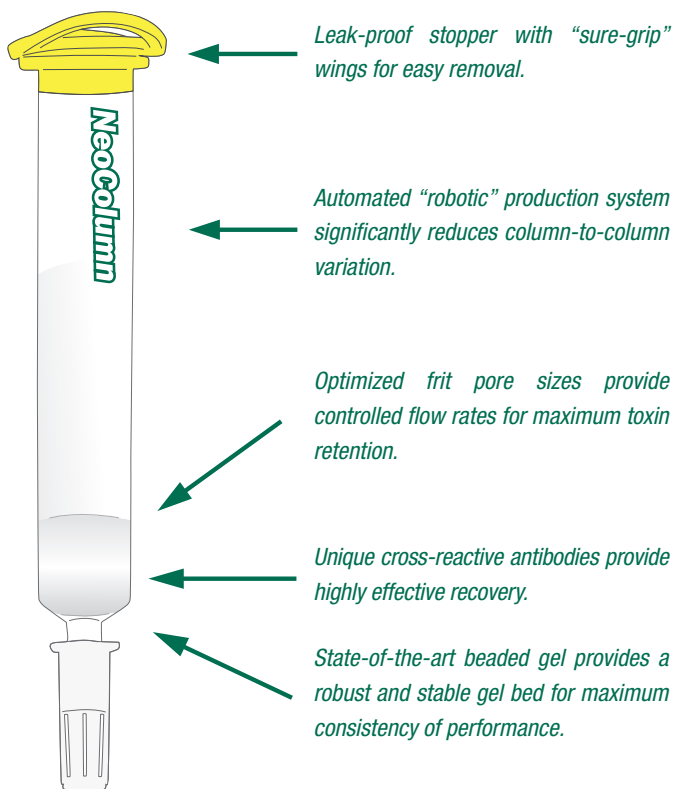


NeoColumn™

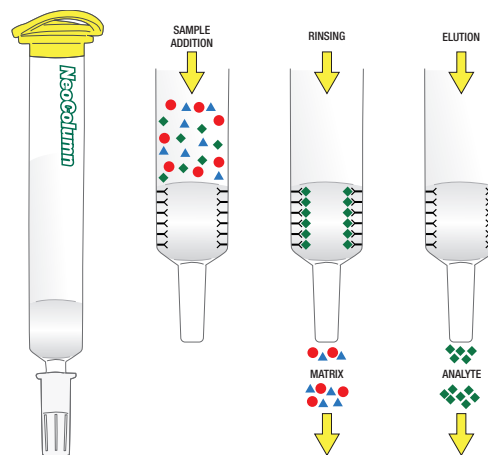
Easy, accurate detection of mycotoxins
Aflatoxin • DON • Ochratoxin • T-2/HT-2 • Zearalenone

NeoColumn™ is a highly efficient Immunoaffinity column that delivers accurate results and recoveries on a range of validated matrices and can be used as a purification step prior to HPLC, GC-MS, ELISA and other analytical methods. Available for aflatoxin, deoxynivalenol (DON), ochratoxin A, T-2/HT-2 and zearalenone.

Features



How NeoColumn works



Sample is extracted and diluted before applying to the column, allowing the antibody to capture any of the toxin present. The column is then washed to remove unbound materials, after which the bound mycotoxin is eluted. The sample is now ready for assay.

- Comparable results and protocols to competitor products allow a quick and easy transfer of testing
- Rigorous validation so you can have confidence in your results
- Backed by Neogen's experienced customer and technical support team
- All NeoColumns meet with criteria set in EC 401/2006

NeoColumn™ Aflatoxin



Detects aflatoxin subtypes (B₁, B₂, G₁ and G₂) and gives highly accurate results and recoveries on a range of validated matrices. Can be used as a purification step prior to HPLC, GC-MS, ELISA and other analytical methods. Available in narrow and wide bore formats and readily fits into direct and indirect manual and automatic analytical systems.

Matrix	% Recovery
FAPAS Peanut	95%
FAPAS Chilli	95%
Maize/Corn	97.9%
Barley	103%

NeoColumn™ Aflatoxin DR

Direct read (DR)

- GIPSA approved
- Easy to use single use immunoaffinity column for the detection of total aflatoxin by fluorometry
- Less than 5 minutes assay time to results
- Neogen offers a full line of mycotoxin test solutions and support equipment
- Neogen fluorometer also available



NeoColumn™ Deoxynivalenol



A robust, highly effective immunoaffinity column for use in the detection of DON in a broad range of foodstuffs and in animal feed. Data obtained from an extensive testing program demonstrates high performance of NeoColumn DON which can be used for a purification step prior to HPLC, GC-MS, ELISA and other analytical methods. Available in wide bore format.

Matrix	% Recovery
Wheat	89%
Durum Wheat	101%
Maize	98.5%
Animal Feed	89%

NeoColumn™ Ochratoxin

Detects ochratoxin A and gives highly accurate results and recoveries on a range of validated matrices and can be used as a purification step prior to HPLC, GC-MS, ELISA and other analytical methods. Available in wide bore format.



Matrix	% Recovery
Roasted Coffee	91.9%
FAPAS Barley	95%
Wine	96.1%
Dried Fruits	99.7%

NeoColumn™ T-2/HT-2

NeoColumn for T-2/HT-2 is a high performance immunoaffinity column designed for clean-up and concentration of sample prior to running on an HPLC system or Veratox®. NeoColumn is suitable for use in the determination of T-2 and HT-2 in a wide range of commodities such as baby food, oats, maize, wheat, barley and animal feed. NeoColumn T-2/HT-2 can be used as a purification step prior to ELISA, HPLC, GC-MS, Biosensor and other analytical methods. Available in wide bore format.

Matrix	% Recovery
Baby Food	103%
Wheat	91%
Oats	89%
Maize	92%
Animal Feed	101%



NeoColumn™ Zearalenone

Detects zearalenone and its major metabolite alpha zearalenol, and gives highly accurate results and recoveries on a range of validated matrices. Can be used as a purification step prior to HPLC, GC-MS, ELISA and other analytical methods. Available in wide bore format.



Matrix	% Recovery
Maize/Corn	96%
FAPAS Breakfast Cereal	99%
Wheat	92%
Animal Feed	93.7%





NeoColumn™

Ordering Information

NeoColumn for Aflatoxin - clean-up columns

8040	Aflatoxin, Narrow bore - 50 columns
8043	Aflatoxin, Wide bore - 50 columns

NeoColumn for Aflatoxin DR (Direct Read)

8047	Aflatoxin DR, Narrow bore - 50 columns
8048	Developer
8049	Calibrator Set
9360	DRF 2100 Fluorometer

NeoColumn for DON - clean-up columns

8340	DON, Wide bore - 50 columns
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NeoColumn for Ochratoxin - clean-up columns

8640	Ochratoxin, Wide bore - 50 columns
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NeoColumn for T-2/HT-2 - clean-up columns

8240	T-2/HT-2, Wide bore - 50 columns
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NeoColumn for Zearalenone - clean-up columns

8140	Zearalenone, Wide bore - 50 columns
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