



Mycotoxin Analysis by HPLC and LC-MS/MS Analyse for individual toxins or in combination!

R-Biopharm Rhône has developed a range of products for single or multi-toxin detection prior to HPLC or LC-MS/MS which includes an extensive range of immunoaffinity and solid phase extraction columns. The products can be used for screening purposes or to quantitatively detect all legislated mycotoxins either separately or in groups.

To offer greater flexibility the immunoaffinity columns can be used in combination to target specific groups of mycotoxins and have the added advantage of cross reactivity with many modified mycotoxins. In addition, a full range of standards and reference materials are available.

Features and Benefits

Immunoaffinity Columns







- Single and multi-toxin columns contain monoclonal antibodies making them highly selective.
- Columns can be connected in tandem to target different groups of mycotoxins.
- Excellent sample clean-up, especially with complex commodities. This makes it possible to use solvent based standards with LC-MS/MS detection.
- Clean eluates mean that there is no requirement for matrix matched or isotopic labelled standards.
- Quantitative and accurate results giving added confidence in analysis.

Solid Phase Columns

- Use selected solid adsorbents to bind interfering components and pigments, allowing the mycotoxins to be easily analysed.
- Non-specific clean-up, making this an ideal clean-up tool for the analysis of multi-toxins in simple matrices like cereals.
- Simple, fast and cost-effective clean-up providing an excellent screening test in conjunction with LC-MS/MS.
- Can be used in combination with matrix matched standards removing the requirement for expensive isotopic labelled standards.




Product Information

Art No.	Product	Format	Multi-Toxin Column	For Use with HPLC	For Use with LC-MS/MS	Cross Reacts with Modified Mycotoxins
Immunoaffinity Columns						
P89 / P89B	AFLAOCHRA PREP®	1 ml	✓	✓	✓	✓
P07	AFLAPREP®	1 ml		✓	✓	✓
P04	AFLAPREP® M	1 ml		✓	✓	✓
P124 / P124B	AFLAPREP® M WIDE	3 ml		✓	✓	✓
 P115 / P115B	AO MS-PREP®	3 ml	✓		✓	✓
P112 / P112B	AO ZON PREP®	3 ml	✓	✓	✓	✓
P50 / P50B	DONPREP®	3 ml		✓	✓	✓
 P73 / P73B	DZT MS-PREP®	1 ml	✓		✓	✓
RP71 / RB70N	EASI-EXTRACT® AFLATOXIN	3 ml		✓	✓	✓
 P126 / P126B	EASI-EXTRACT® CITRININ	3 ml		✓	✓	
 P125 / P125B	EASI-EXTRACT® STERIGMATOCYSTIN	3 ml		✓	✓	
P43 / P43B	EASI-EXTRACT® T-2 & HT-2	3 ml	✓	✓	✓	✓
RB91 / RP90	EASI-EXTRACT® ZEARELENONE	3 ml		✓	✓	✓
P31	FUMONIPREP®	3 ml	✓	✓	✓	✓
P14 / P14B	OCHRAPREP®	3 ml		✓	✓	✓
Molecularly Imprinted Columns						
P250 / P250B	EASIMIP™ PATULIN	3 ml		✓	✓	
Solid Phase						
P25	PuriTox Aflatoxin	Syringe		✓		
TC-M160	PuriTox AflaZON	Syringe	✓	✓	✓	✓
TC-T220	PuriTox Trichothecene	Syringe	✓		✓	✓
TC-C210	PuriTox Trichothecene Plus	Gravity Flow	✓		✓	✓
 TC-MT3000	PuriTox Total Myco-MS	Syringe	✓		✓	✓
P53	Trichothecene EP Columns	Test Tube	✓		✓	✓
P51	Trichothecene P Columns	Test Tube	✓		✓	✓
Certified Reference Materials*						
TR-MTLC	Multi-toxin	N/A	N/A	✓	✓	N/A
Standards*						
 TSL-LC1	Aflatoxin B1, B2, G1, G2, DON, 3-Acetyl DON, 15 Acetyl DON, T-2, HT-2, ZON, OTA, Fum B1 and B2	Liquid	N/A	✓	✓	N/A
Accessory Products						
K01	KOBRA® CELL	N/A	N/A	✓		N/A

* A full range of standards and reference materials are available from Trilogy. Please contact your local R-Biopharm distributor for further information.

Additional Information

To look at videos  of these products, search for 'R-Biopharm Rhône' on You Tube.