

Technical Data Sheet

OCHRAPREP®

Art. No. P14 / P14B

1. Kit Contents

10 or 50 wide format immunoaffinity columns for use with HPLC or LC-MS/MS.

2. Specifications

Specificity	Ochratoxin A (OTA)	Ochratoxin B (OTB)
	May also cross react with other metabolites.	
Solvent Tolerance	Acetonitrile	5 %
	Methanol	30 %
LOD*	OTA	0.05 ng/ml
Recoveries for Spiked Solutions	Meets EU Method Performance criteria of 70 - 110 %	
	RBR QC Specification:	
	OTA	85 - 110 %
Intra-Assay CV	<10 %	
Inter-Assay CV	<10 %	
Storage Conditions	2 - 8 °C (or at 21 - 25 °C)	
Shelf Life	18 Months (or 12 Months)	

* LOD determined by RBR and is dependent on method, HPLC conditions and HPLC equipment used.

3. Method Information

Extraction	Acetonitrile or Methanol or Sodium Bicarbonate Extraction solvent can vary depending on commodity analysed.
Wash Solution	Phosphate Buffered Saline (PBS)
Elution Solution	98 % Methanol : 2 % Acetic Acid
Injection Volume	100 µl
HPLC System	Fluorescence
HPLC Pump	Isocratic
Analytical Column	Inertsil® ODS-3V 5 µm, 150 mm x 4.6 mm
Derivatisation	N/A

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4. Recovery Data Using Recommended Methods

Sample	Contamination	Number of Analyses	Average OTA Recovery
Cocoa	Spiked at 10 ppb	6	89 %
Turmeric	Spiked at 10 ppb	6	80 %
Dried Fruit	Spiked at 10 ppb	6	92 %
Apricots	Spiked at 4 ppb	6	76 %
Nutmeg	Spiked at 5 ppb	6	72 %
Paprika	Spiked at 30 ppb	6	104 %
Chilli	Spiked at 30 ppb	6	103 %
Wine	Spiked at 0.5 ppb	6	95 %
Alcoholic Spirits	Spiked at 1 ppb	6	92 %
Green Coffee	Spiked at 4 ppb	6	74 %
Instant Coffee	Spiked at 6 ppb	6	84 %
Roast Coffee	Spiked at 4 ppb	6	84 %
Cereal	Spiked at 5 ppb	6	99 %
Barley	Spiked at 4 ppb	6	88 %
Branflakes	Spiked at 4 ppb	6	100 %
Buckwheat	Spiked at 4 ppb	6	97 %
Rice	Spiked at 3 ppb	3	107 %
Oats	Spiked at 3 ppb	6	98 %

Methods for the analysis of the above commodities are available on request. Various posters and publications are available providing additional validation data. Please contact your local R-Biopharm distributor for further information.

5. Example Chromatogram (Spiked Solution at 100 ng)

