

# Food Method

## Mycotoxin analysis in food

*Elevate your food testing with the X500R QTOF System*

Method details and access to HR-MS/MS libraries to detect, quantify, and confirm mycotoxins in food extracts using HPLC coupled with the X500R QTOF system, powered by SCIEX OS Software.



### Sample Prep

Step 1

- Add 4mL extraction solvent (79/20/1. V/V/V) Acetonitrile/Water/Acetic Acid per 1g sample.

Step 2

- Extract on a rotary shaker for 90 minutes

Step 3

- Centrifuge.

Step 4

- Dilute 350µL of extract with 350µL 20/79/1 (v/v/v) Acetonitrile/Water/Acetic Acid.

Step 5

- Filter into vial for analysis.

Sample prep protocol based : Sulyok M, Krska R, Schumacher R (2010) Food Chem 119:408-416

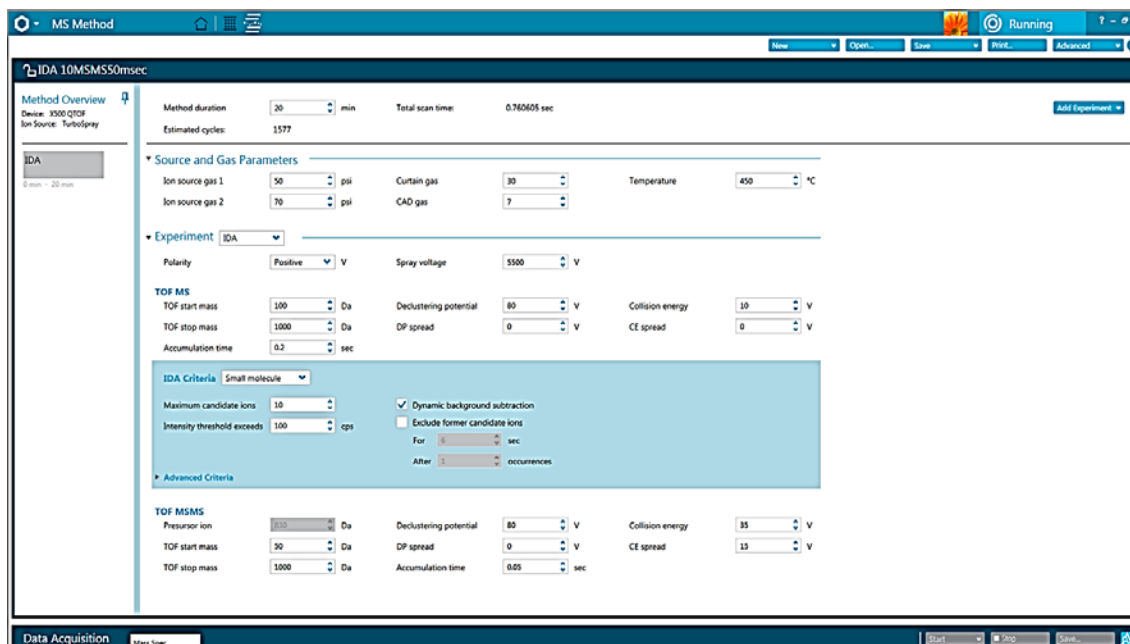
### LC Method

<i>Column</i>	Phenomenex Gemini C18, 150 x 4.6 mm, 5 µm	
<i>Mobile Phase A</i>	5 mM ammonium acetate + 1% acetic acid in water	
<i>Mobile Phase B</i>	5 mM ammonium acetate + 1% acetic acid in methanol	
<i>Flow rate</i>	1.0 mL/min	
<i>Column temperature</i>	25°C	
<i>Injection volume</i>	5 µL	
<i>Gradient profile</i>	<b>Time (min)</b>	<b>% B</b>
	0	0
	2	0
	14	100
	18	10
	18.1	0
	20.5	0



SCIEX OS can deliver faster method set-up

# MS Method



Suggested IDA (Information Dependent Acquisition) conditions for routine food contaminant testing as displayed in SCIEX OS.

# Data Processing



Review your results with utmost efficiency using SCIEX OS for simultaneous quantitation and MS/MS library confirmation.

# X500R High Resolution Libraries

**Download the XIC List**

**Download a FREE Trial of the MS/MS Library**

Download a free XIC compound list detailing a full list of mycotoxin compounds include molecular formula and accurate mass.

Download a free trial of the mycotoxin high resolution MS/MS library, containing 288 compounds.

[Learn more at sciex.com/X-Mycotoxins.](http://sciex.com/X-Mycotoxins)

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