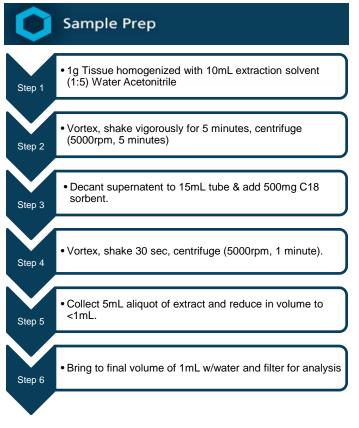
Food Method



Antibiotic 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 antibiotic vet drugs in tissue extracts using HPLC coupled with the X500R QTOF system, powered by SCIEX OS Software..



Sample prep protocol adopted from: Mastovska & Lightfield, J. Chrom. A., 2008, 1202, 118-123



LC Method

Column	Phenomenex Gemini 3µm C18 110 column, 50 x 2.0mm							
Mobile Phase A	0.1% formic acid							
Mobile Phase B	0.1% formic acid	l in methanol						
Flow rate	0.5 mL/min							
Column temperature	40°C							
Injection volume	10 uL							
Gradient profile	Time (min)	% B						
	0	2						
	0.3	2						
	7.27	80						
	7.37	99						
	10.9	99						
	11	2						
	15	2						



MS Method

10MSMS50ms	are .				New	• Open	Advanced
Overview म co.qtof TutoSpray	Method duration 20 0 min Estimated cycles: 1577	Total scan time:	0.760605 sec				Add Expe
0 min	Source and Gas Parameters Ion source gas 1 So To pai Ion source gas 2 To C pai	Curtain gas CAD gas	30 [‡]	Temperature	450 °C		
	Experiment IDA Polarity Positive Y	Spray voltage	5500 \$ V				
	TOF MS TOF start mass 100 C Da TOF stop mass 1000 C Da Accumulation time 0.2 See	Declustering potential DP spread	60 C V 0 C V	Collision energy CE spread	10 V 0 C V		
	IDA Criteria Small materiale Maximum candidate ionu 10 Intensity threshold exceeds 100 + Advanced Criteria	For 6	ate ions				
	TOF MSMS Presurpor ion TOF start mass 20 TOF stop mass 1000	Declustering potential DP spread Accumulation time	80 \$ V 0 \$ V 0.05 \$ sec	Collision energy CE spread	35 \$ V 15 \$ V		

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

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

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