

Multi-Class Screening of 243 Mycotoxins by LC/MS/MS

Column: Gemini® 5 µm C18 110 Å, LC Column 150 x 4.6 mm, Ea
Dimensions: 150 x 4.6 mm ID
Order No: 00F-4435-E0
Elution Type: Gradient
Eluent A: Water/methanol 90/10, containing 5mM of ammonium acetate and 1% acetic acid
Eluent B: Water/methanol 3/97, containing 5mM of ammonium acetate and 1% acetic acid

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	100	0
	2	2	100	0
	3	14	0	100
	4	18	0	100
	5	18.01	100	0
	6	20.5	100	0

Flow Rate: 1 mL/min

Col. Temp.: 25 °C

Detection: Tandem Mass Spec (MS-MS) @ (25 °C)

Detector Info: <a target="_blank"

href="https://sciex.com/products/mass-spectrometers?utm_campaign=2019%20application%20search&utm_source=phenomenex&utm_medium=referral">SCIEX
Inject

Analyt

Need:

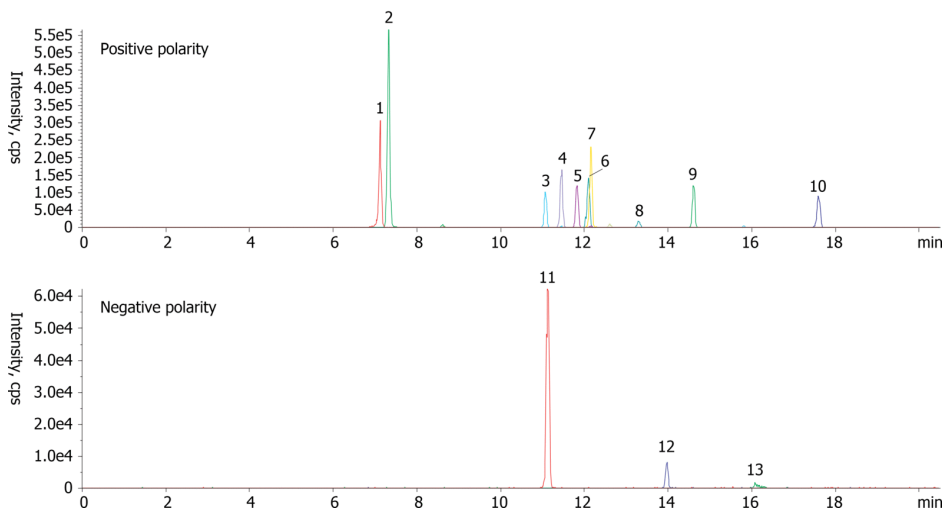
Analyst Note: This Application used iMethod™ Kit Order Number: KH0-8991

SecurityGuard™ Guard Cartridge System extends column lifetime.

- SecurityGuard Cartridges, Gemini C18 4 x 3.0mm ID, 10/Pk Part No.: AJ0-7597

- Holder Part No.: KJ0-4282

20027



Products used in this application:



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ANALYTES:

1 3-Nitropropionic acid	41 Methysergide	81 AAL-TA1 Toxin
2 Kojic acid	42 Puromycin	82 Aflatoxin B2
3 Moniliformin	43 Chlamydosporol	83 Ergocryptine
4 Ustiloxin B	44 Verrucarol	84 Erythromycin
5 Elymoclavine	45 15-Acetyl-deoxynivalenol	85 Pseurotin A
6 Nivalenol	46 3-Acetyl-deoxynivalenol	86 Cyclophenin
7 Patulin	47 Gibberellic acid	87 Diacetoxyscirpenol
8 Aspinonene	48 Thiolutin	88 Ergocristine
9 T2-Tetraol	49 Ergovaline	89 Pestalotin
10 Luol	50 Fusaric acid	90 Sulochrin
11 Ustiloxin A	51 Phomopsin B	91 hydrolyzed fumonisin B1
12 Ustiloxin D	52 3-Acetyl-deoxynivalenol	92 Aflatoxin B1
13 Vancomycin	53 Neoxaline	93 Altenuene
14 Ergine	54 Pyrenophorol	94 Tenuazonic acid
15 Elymoclavine fructoside	55 HC-Toxin	95 Gliotoxin
16 Cephalosporin C	56 Aflatoxin M2	96 Wortmannin
17 Asperlactone	57 Pentoxifylline	97 T2-Triol
18 Decarestrictine	58 Phomopsin A	98 Altenusin
19 Dihydrolysergol	59 Paraherquamide A	99 Dechlorogriseofulvin
20 Ergometrine	60 Ergosine	100 Roquefortine C
21 Elymoclavine	61 Chloramphenicol	101 Radicol
22 Lysergol	62 Aflatoxin G2	102 Staurosporine
23 Lincomycin	63 Dihydroergosine	103 Terphenyllin
24 Deoxynivalenol	64 Monoacetoxyscirpenol	104 Cyclopeptide
25 Deoxynivalenol-3-O-glucoside	65 Aflatoxin M1	105 alpha-Zearalenol-4-O-glucoside
26 Anisomycin	66 Fulvic acid	106 Zearalenone-4-glucoside
27 Chanoclavine	67 Ergotamine	107 Ergocryptinine
28 Aspergillimide	68 Meleagrin	108 Fumonisin B1
29 Aspyrone	69 Oxaspirodion	109 Trichostatin A
30 Ergometrinine	70 Citromycetin	110 Cycloechinulin
31 Fumigaclavine A	71 Dihydroergotamine	111 Cerulenin
32 Tetracycline	72 Ergocornine	112 Curvularin
33 Austdiol	73 Ergocorninine	113 Cytochalasin J
34 Agroclavine	74 Altersolanol	114 Griseofulvin
35 Festuclavine	75 16-Ketoaspergillimide	115 HT-2
36 Fusarenon-X	76 Aflatoxin G1	116 Penicillin G
37 Mitomycin C	77 Cycloheximide	117 Satratoxin G
38 Neosolaniol	78 Bacitracin	118 Altertoxin-II
39 Penicillic acid	79 Marcfortine A	119 Asterric acid
40 Deepoxy-deoxynivalenol	80 beta-Zearalenol-4-O-glucoside	120 Ochratoxin alpha
		121 Asperloxine A
		122 Brefeldin A
		123 Ergocristinine
		124 Cytochalasin D
		125 Satratoxin H
		126 Setosusin
		127 Tryprostatin A
		128 Altertoxin-I
		129 Deoxybrevianamide E
		130 Tentoxin
		131 Fumonisin B2

