HPLC Application

ID No.: **20027**

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

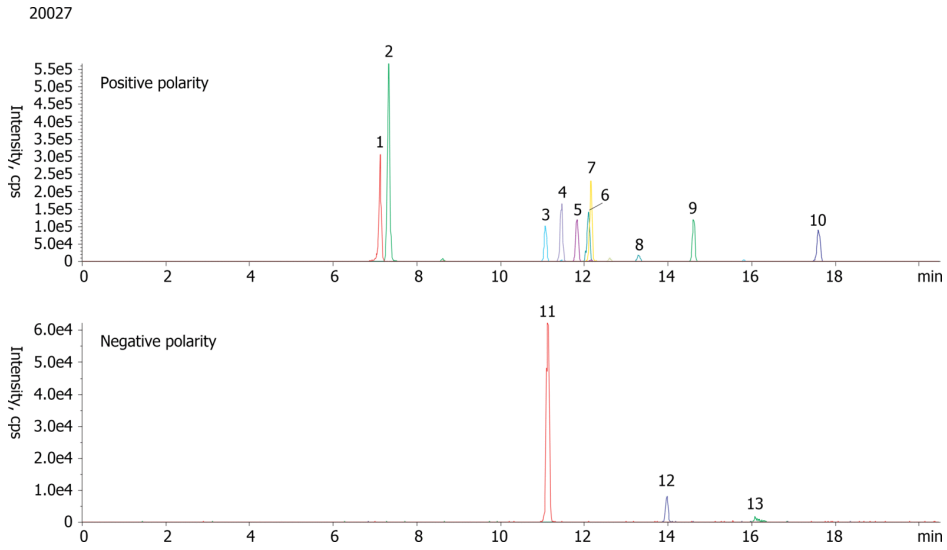
Need:

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

Products used in this application:



For more information contact your Phenomenex Representative at support@phenomenex.com

Phenomenex products are available worldwide.

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

ANALYTES:

1 3-Nitropropionic acid
2 Kojic acid
3 Moniliformin
4 Ustiloxin B
5 Elymoclavine
6 Nivalenol
7 Patulin
8 Aspinonene
9 T2-Tetraol
10 Luol
11 Ustiloxin A
12 Ustiloxin D
13 Vancomycin
14 Ergine
15 Elymoclavine fructoside
16 Cephalosporin C
17 Asperlactone
18 Decarestrictine
19 Dihydrolysergol
20 Ergometrine
21 Elymoclavine
22 Lysergol
23 Lincomycin
24 Deoxynivalenol
25 Deoxynivalenol-3-O-glucoside
26 Anisomycin
27 Chanoclavine
28 Aspergillimide
29 Aspyrone
30 Ergometrinine
31 Fumigaclavine A
32 Tetracycline
33 Austdiol
34 Agroclavine
35 Festuclavine
36 Fusarenon-X
37 Mitomycin C
38 Neosolaniol
39 Penicillic acid
40 Deepoxy-deoxynivalenol
41 Methysergide
42 Puromycin
43 Chlamydosporol
44 Verrucarol
45 15-Acetyl-deoxynivalenol
46 3-Acetyl-deoxynivalenol
47 Gibberellic acid
48 Thiolutin
49 Ergovaline
50 Fusaric acid
51 Phomopsin B
52 3-Acetyl-deoxynivalenol
53 Neoxaline
54 Pyrenophorol
55 HC-Toxin
56 Aflatoxin M2
57 Pentoxyfylline
58 Phomopsin A
59 Paraherquamide A
60 Ergosine
61 Chloramphenicol
62 Aflatoxin G2
63 Dihydroergosine
64 Monoacetoxyscirpenol
65 Aflatoxin M1
66 Fulvic acid
67 Ergotamine
68 Meleagrin
69 Oxaspirodion
70 Citromycetin
71 Dihydroergotamine
72 Ergocornine
73 Ergocorninine
74 Altersolanol
75 16-Ketoaspergillimide
76 Aflatoxin G1
77 Cycloheximide
78 Bacitracin
79 Marcfortine A
80 beta-Zearalenol-4-O-glucoside
81 AAL-TA1 Toxin
82 Aflatoxin B2
83 Ergocryptine
84 Erythromycin
85 Pseurotin A
86 Cyclopenin
87 Diacetoxyscirpenol
88 Ergocristine
89 Pestalotin
90 Sulochrin
91 hydrolyzed fumonisin B1
92 Aflatoxin B1
93 Altenuene
94 Tenuazonic acid
95 Gliotoxin
96 Wortmannin
97 T2-Triol
98 Altenusin
99 Dechlorogriseofulvin
100 Roquefortine C
101 Radicicol
102 Staurosporine
103 Terphenyllin
104 Cyclopeptine
105 alpha-Zearalenol-4-O-glucoside
106 Zearalenone-4-glucoside
107 Ergocryptinine
108 Fumonisin B1
109 Trichostatin A
110 Cycloechinulin
111 Cerulenin
112 Curvularin
113 Cytochalasin J
114 Griseofulvin
115 HT-2
116 Penicillin G
117 Satratoxin G
118 Altertoxin-II
119 Asterric acid
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 B3