

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

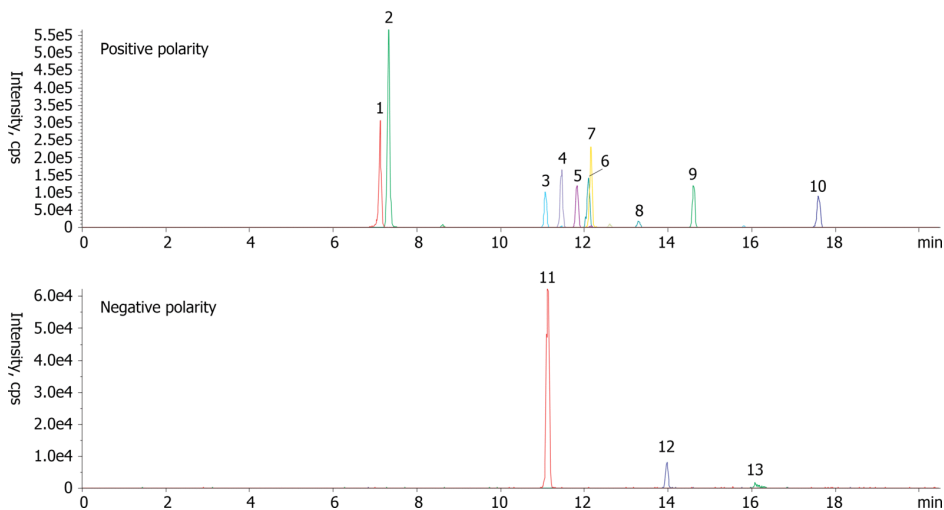
- Holder Part No.: KJ0-4282



Products used in this application:



20027



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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	Cyclopenin
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	Radicicol
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	Festoclavine	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	Altartoxin-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	Altartoxin-I
				129	Deoxybrevianamide E
				130	Tentoxin
				131	Fumonisin B2

