



biopure

Product List 2011/12



Mycotoxin Calibrant Solutions

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
15-Acetoxy-scirpenol (on request)	50	acetonitrile	1 mL	LMY-088-1ML
15-Acetyl-Deoxynivalenol (15-AcDON)	100	acetonitrile	5 mL	002014
15-Acetyl-Deoxynivalenol (15-AcDON)	100	acetonitrile	1 mL	S02014
3-Acetyl-Deoxynivalenol (3-AcDON)	100	acetonitrile	5 mL	002012
3-Acetyl-Deoxynivalenol (3-AcDON)	100	acetonitrile	1 mL	S02012
Aflatoxin B1 (AFB1)	2	acetonitrile	5 mL	002017
Aflatoxin B1 (AFB1)	2	acetonitrile	1 mL	S02017
Aflatoxin B2 (AFB2)	0.5	acetonitrile	5 mL	002018
Aflatoxin B2 (AFB2)	0.5	acetonitrile	1 mL	S02018
Aflatoxin G1 (AFG1)	2	acetonitrile	5 mL	002019
Aflatoxin G1 (AFG1)	2	acetonitrile	1 mL	S02019
Aflatoxin G2 (AFG2)	0.5	acetonitrile	5 mL	002020
Aflatoxin G2 (AFG2)	0.5	acetonitrile	1 mL	S02020
Aflatoxin M1	0.5	acetonitrile	5 mL	002030
Aflatoxin M1	0.5	acetonitrile	1 mL	S02030
Agroclavine	100	dried down	5 mL	002071
Alpha-Zearalanol (Zeranol)	10	acetonitrile	1 mL	S02054
Alpha-Zearalanol	10	acetonitrile	1 mL	S02042
Alternariol	100	dried down	1 mL	S02076
Alternariolmethylether	100	dried down	1 mL	S02077
Beauvericin (on request)	100	dried down	1 mL	LMY-056-1ML
Beta-Zearalanol (Taleranol)	10	acetonitrile	1 mL	S02055
Beta-Zearalanol	10	acetonitrile	1 mL	S02043
Citreoviridin (on request)	100	dried down	1 mL	LMY-084-1ML
Cyclopiazonic Acid (on request)	100	acetonitrile	1 mL	LMY-095-1ML
Citrinin (on request)	100	acetonitrile	1 mL	S02063
Deepoxy-deoxynivalenol	50	acetonitrile	5 mL	002033
Deepoxy-deoxynivalenol	50	acetonitrile	1 mL	S02033
Deoxynivalenol (DON)	100	acetonitrile	5 mL	002009
Deoxynivalenol (DON)	100	acetonitrile	1 mL	S02009
Deoxynivalenol-3-glucoside	50	acetonitrile	1 mL	S02046
Diacetoxyscirpenol (DAS)	100	acetonitrile	5 mL	002037
Diacetoxyscirpenol (DAS)	100	acetonitrile	1 mL	S02037
Fumagillin	100	acetonitrile	1 mL	S02056
Fumonisin B1 (FB1)	50	acetonitrile/water	5 mL	002003
Fumonisin B1 (FB1)	50	acetonitrile/water	1 mL	S02003
Fumonisin B1, hydrolyzed (HFB1) (on request)	25	acetonitrile/water	1 mL	LMY-087-1ML
Fumonisin B2 (FB2)	50	acetonitrile/water	5 mL	002004
Fumonisin B2 (FB2)	50	acetonitrile/water	1 mL	S02004
Fumonisin B3 (FB3)	50	acetonitrile/water	1 mL	S02007
Fusarenon X (FusX)	100	acetonitrile	5 mL	002010
Fusarenon X (FusX)	100	acetonitrile	1 mL	S02010
Gliotoxin (on request)	100	acetonitrile	1 mL	S02057
HT-2 Toxin (HT-2)	100	acetonitrile	5 mL	002036
HT-2 Toxin (HT-2)	100	acetonitrile	1 mL	S02036
Kojic acid (on request)	100	dried down	1 mL	LMY-083-1ML
Meleagrins (on request)	100	dried down	1 mL	LMY-081-1ML
Moniliformin (MON)	100	acetonitrile/water	1 mL	S02058
Mycophenolic acid (on request)	100	acetonitrile	5 mL	002049
Mycophenolic acid (on request)	100	acetonitrile	1 mL	S02049
Neosolaniol (NEO)	100	acetonitrile	5 mL	002001
Neosolaniol (NEO)	100	acetonitrile	1 mL	S02001
Nivalenol (NIV)	100	acetonitrile	5 mL	002011
Nivalenol (NIV)	100	acetonitrile	1 mL	S02011
Ochratoxin A (OTA)	10	acetonitrile	5 mL	002023
Ochratoxin A (OTA)	10	acetonitrile	1 mL	S02023
Ochratoxin B (OTB)	10	acetonitrile	1 mL	S02052
Ochratoxin-alpha (OTa)	10	acetonitrile	1 mL	S02053
Patulin (PAT)	100	acetonitrile	5 mL	002026
Patulin (PAT)	100	acetonitrile	1 mL	S02026

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Mycotoxin Calibrant Solutions

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
Paxillin (on request)	100	acetonitrile	1 mL	S02059
Penicillic acid	100	acetonitrile	1 mL	S02060
PR-Toxin (Coming soon!)	-	-	-	-
Roquefortine C	100	dried down	1 mL	S02079
Secalonic Acid D	50	chloroform	1.2 mL	LMY-091-1.2ML
Stachybotrylactam (on request)	100	dried down	1 mL	LMY-086-1ML
Sterigmatocystin (on request)	50	acetonitrile	5 mL	002051
Sterigmatocystin (on request)	50	acetonitrile	1 mL	S02051
T-2 Tetraol	50	acetonitrile	1 mL	S02048
T-2 Toxin (T-2)	100	acetonitrile	5 mL	002035
T-2 Toxin (T-2)	100	acetonitrile	1 mL	S02035
T-2 Triol	50	acetonitrile	1 mL	S02047
Tentoxin (on request)	100	dried down	1 mL	S02078
Tenuazonic acid (on request)	100	dried down	1 mL	LMY-080-1ML
Verruculogen	100	acetonitrile	1 mL	S02061
Wortmannin (on request)	100	acetonitrile	1 mL	S02062
Zearalanone (ZAN) (on request)	10	acetonitrile	1 mL	S02041
Zearalenone (ZON)	100	acetonitrile	5 mL	002029
Zearalenone (ZON)	100	acetonitrile	1 mL	S02029

Ergot Alkaloids

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
Dihydroergocristine (on request)	100	dried down	5 mL	LMY-085-5ML
Ergocornine	100	dried down	5 mL	002064
Ergocorninine	25	dried down	5 mL	002072
Ergocristine	100	dried down	5 mL	002065
Ergocristinine	25	dried down	5 mL	002073
Ergocryptine	100	dried down	5 mL	002066
Ergocryptinine	25	dried down	5 mL	002074
Ergometrine	100	dried down	5 mL	002067
Ergometrinine	25	dried down	5 mL	LMY-090-5ML
Ergosine	100	dried down	5 mL	002068
Ergosinine	25	dried down	5 mL	LMY-089-5ML
Ergotamine	100	dried down	5 mL	002069
Ergotaminine	25	dried down	5 mL	002075
Ergovalin (Coming soon!)	-	-	-	-

Mycotoxin Calibrant Mixtures

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
MIX 1 (Aflatoxins)				
Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2	2 (AFB1 & AFG1) 0.5 (AFB2 & AFG2)	acetonitrile	5 mL 1 mL	002021 S02021
MIX 2 (B-Trichothecenes)	100	acetonitrile	5 mL 1 mL	002016 S02016
DON, NIV, 3-AcDON, 15-AcDON				
MIX 3 (Fumonisin)	50	acetonitrile/water	5 mL 1 mL	002006 S02006
FB1 & FB2				
MIX 4 (A+B-Trichothecenes & ZON)	10	acetonitrile	5 mL 1 mL	002002 S02002
3-AcDON, DON, NIV, FusX, HT-2, T-2, DAS, ZON				
MIX 5 (Aflatoxins)	0.25 each	acetonitrile	6 mL 1 mL	002022 S02022
Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2				
MIX 6 (Ergot Alkaloids)	100	dried down	5 mL	002070
Ergocornine, Ergocristine, Ergocryptine, Ergometrine, Ergosine, Ergotamine				
MIX 8 (Fusarium Toxins)	100 (DON & HT-2) 10 (T-2) 30 (ZON)	acetonitrile	5 mL	LMY-093-5ML
DON, HT-2, T-2, ZON				
MIX 9 (Aflatoxins)	1 each	acetonitrile	5 mL	LMY-092-5ML
Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2				

Mycotoxin Calibrant Kit

Component	Unit	Cat. No.
KIT 1 (LC-MS Mycotoxin Kit)		
MIX 3 (Fumonisin), MIX 8 (Fusarium Toxins), MIX 9 (Aflatoxins) Ochratoxin A, MIX 10 (¹³ C Fusarium Toxins), MIX 11 (¹³ C Aflatoxins), MIX 12 (¹³ C Fumonisin) U-[¹³ C ₂₀]-Ochratoxin A	1 Box containing 8 vials	KIT-001

Concentration See items: 002006, LMY-093-5ML, LMY-092-5ML, 002023, ILM-025-1.2ML, ILM-024-1.2ML, ILM-023-1.2ML, ILM007





Stable Isotope Labeled Calibrants

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
U-[¹³ C ₁₇]-3-Acetyl-Deoxynivalenol	25	acetonitrile	1.2 mL	ILM006
U-[¹³ C ₁₇]-Aflatoxin B1	0.5	acetonitrile	1.2 mL	ILM010
U-[¹³ C ₁₇]-Aflatoxin B2	0.5	acetonitrile	1.2 mL	ILM-011-1.2ML
U-[¹³ C ₁₇]-Aflatoxin G1	0.5	acetonitrile	1.2 mL	ILM-012-1.2ML
U-[¹³ C ₁₇]-Aflatoxin G2	0.5	acetonitrile	1.2 mL	ILM-013-1.2ML
U-[¹³ C ₁₇]-Aflatoxin M1	0.5	acetonitrile	1.2 mL	ILM-021-1.2ML
U-[¹³ C ₁₉]-Diacetoxyscirpenol	25	acetonitrile	1.2 mL	ILM-020-1.2ML
U-[¹³ C ₁₁]-Chloramphenicol	25	acetonitrile	1.2 mL	ANT-006-1.2ML
U-[¹³ C ₆₂]-Cyclosporine A	25	acetonitrile	1.2 mL	ANT-003-1.2ML
U-[¹³ C ₁₅]-Deoxynivalenol	25	acetonitrile	1.2 mL	002005
U-[¹³ C ₂₆]-Fumagillin (Coming soon!)	-	-	-	-
U-[¹³ C ₃₄]-Fumonisin B1	25	acetonitrile/water	1.2 mL	ILM003
U-[¹³ C ₃₄]-Fumonisin B2	10	acetonitrile/water	1.2 mL	ILM004
U-[¹³ C ₃₄]-Fumonisin B3	10	acetonitrile/water	1.2 mL	ILM005
U-[¹³ C ₁₇]-Griseofulvin	25	acetonitrile	1.2 mL	ANT-001-1.2ML
U-[¹³ C ₂₂]-HT-2 Toxin	25	acetonitrile	1.2 mL	ILM008
U-[¹³ C ₆]-Kojic Acid (on request)	25	acetonitrile	1.2 mL	ILM-022-1.2ML
U-[¹³ C ₂₀]-Ochratoxin A	10	acetonitrile	1.2 mL	ILM007
U-[¹³ C ₇]-Patulin	25	acetonitrile	1.2 mL	ILM-015-1.2ML
U-[¹³ C ₃]-Melamine	100	acetonitrile/water	1.2 mL	CMT002
U-[¹⁵ N ₅]-Meleagrin (on request)	25	acetonitrile	1.2 mL	ILM-018-1.2ML
U-[¹³ C ₁₇]-Mycophenolic acid (on request)	100	acetonitrile	1.2 mL	ILM-014-1.2ML
U-[¹³ C ₁₅]-Nivalenol	25	acetonitrile	1.2 mL	ILM-019-1.2ML
U-[¹³ C ₂₂]-Roquefortine C	25	acetonitrile	1.2 mL	ILM-016-1.2ML
U-[¹³ C ₁₈]-Sterigmatocystin (on request)	25	acetonitrile	1.2 mL	ILM-017-1.2ML
U-[¹³ C ₂₄]-T-2 Toxin	25	acetonitrile	1.2 mL	002044
U-[¹³ C ₁₈]-Zearalenone	25	acetonitrile	1.2 mL	ILM009

Stable Isotope Labeled Calibrant Mixtures

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
MIX 10 (¹³ C Fusarium Toxins) U-[¹³ C ₁₅]-DON, U-[¹³ C ₂₂]-HT-2, U-[¹³ C ₂₄]-T-2, U-[¹³ C ₁₈]-ZON	10 (DON & HT-2) 1 (T-2) 3 (ZON)	acetonitrile	1.2 mL	ILM-025-1.2ML
MIX 11 (¹³ C Aflatoxins) U-[¹³ C ₁₇]-Aflatoxin B1, U-[¹³ C ₁₇]-Aflatoxin B2 U-[¹³ C ₁₇]-Aflatoxin G1, U-[¹³ C ₁₇]-Aflatoxin G2	0.5 each	acetonitrile	1.2 mL	ILM-024-1.2ML
MIX 12 (¹³ C Fumonisin) U-[¹³ C ₃₄]-FUM B1, U-[¹³ C ₃₄]-FUM B2	5 each	acetonitrile/water	1.2 mL	ILM-023-1.2ML

Solid Mycotoxin Standards

Component	Cert. Purity* [%]	Amount	Cat. No.
15-Acetyldeoxynivalenol	98.8 ± 1.2	5 mg	001006
15-Acetyldeoxynivalenol	98.8 ± 1.2	10 mg	001106
3-Acetyldeoxynivalenol	99.4 ± 0.6	5 mg	001003
3-Acetyldeoxynivalenol	99.4 ± 0.6	10 mg	001103
Aflatoxin B1	99.5 ± 0.5	5 mg	001012
Aflatoxin B2	99.7 ± 0.3	5 mg	001013
Aflatoxin G1	98.0 ± 2.0	5 mg	001014
Aflatoxin G2	97.1 ± 2.9	5 mg	001015
Deoxynivalenol	99.4 ± 0.6	5 mg	001001
Deoxynivalenol	99.4 ± 0.6	10 mg	001101
Fumonisin B1	97.6 ± 2.4	5 mg	001007
Fumonisin B1	97.6 ± 2.4	10 mg	001107
Fusarenon X	99.4 ± 0.6	5 mg	001004
Fusarenon X	99.4 ± 0.6	10 mg	001104
Neosolaniol	99.4 ± 0.6	5 mg	001010
Neosolaniol	99.4 ± 0.6	10 mg	001110
Nivalenol hydrate	98.6 ± 1.4	5 mg	001005
Nivalenol hydrate	98.6 ± 1.4	10 mg	001105
Ochratoxin A	99.5 ± 0.5	5 mg	001008
Ochratoxin A	99.5 ± 0.5	10 mg	001108
Patulin	99.7 ± 0.3	5 mg	001016
Sterigmatocystin (on request)	99.7 ± 0.3	5 mg	001017
T-2 Toxin	99.7 ± 0.3	5 mg	001011
T-2 Toxin	99.7 ± 0.3	10 mg	001111
Zearalenone	99.4 ± 0.6	5 mg	001009
Zearalenone	99.4 ± 0.6	10 mg	001109

*certified purity will slightly differ from lot to lot

Matrix Reference Materials

Material	Conc. [$\mu\text{g}/\text{kg}$]	Amount	Cat. No.
Aflatoxin in Maize	AFB1: 7.4 ± 0.37 ; AFB2: 0.7 ± 0.07 ; AFG1: < 0.1 ; AFG2: < 0.1 ; Aflatoxins total: 8.9 ± 0.26	55 g	003011
Deoxynivalenol in Maize	1840 ± 30 DON	55 g	003014
Ergot Alkaloids in Rye*	Ergometrine: 595 ± 745 ; Ergometrinine: 335 ± 758 ; Ergosine: 537 ± 260 ; Ergosinine: 331 ± 476 ; Ergotamine: 1349 ± 1156 ; Ergotaminine: 464 ± 367 ; Ergocornine: 614 ± 156 ; Ergocorninine: 362 ± 391 ; α -Ergocryptine: 570 ± 52 ; α -Ergocryptinine: 477 ± 526 ; Ergocristine: 923 ± 195 ; Ergocristinine: 462 ± 469	55 g	003020
Aflatoxin in Pistachios	AFB1: 27.8 ± 3.3 ; AFB2: 2.1 ± 1.1 AFG1: < 0.5 ; AFG2: < 0.2	55 g	003021
Deoxynivalenol in Wheat	877 ± 23 DON	55 g	003022

*Method for detection and quantification of ergot alkaloids are rather new. So far, neither certified reference materials had been available nor ring trials performed. This is reflected in the relatively high uncertainties in the alkaloids tested.

Check Sample Materials

Material	Conc. [$\mu\text{g}/\text{kg}$]	Amount	Cat. No.
Aflatoxin in Maize	AFB1: 8.30 ± 2.34 ; AFB2: 0.65 ± 0.63 ; AFG1: < 0.1 ; AFG2: < 0.1 ; Aflatoxins total: 8.96 ± 2.63	100 g	003008
Aflatoxin in Maize	AFB1: 15.47 ± 3.93 ; AFB2: 0.85 ± 0.34 ; AFG1: < 0.1 ; AFG2: < 0.1 ; Aflatoxins total: 16.32 ± 4.05	100 g	003010
Deoxynivalenol in Maize	2010 ± 290	100 g	003012
Fumonisin in Maize	FB1: 2630 ± 740 ; FB2: 690 ± 340 ; FB3: 310 ± 210	100 g	003017
Fumonisin in Maize	FB1: 270 ± 110 ; FB2: < 80 ; FB3: < 80	100 g	003018
Ochratoxin A in Wheat	8.6 ± 3.6	100 g	003023
Zearalenone and Deoxynivalenol in Maize	ZON: 79 ± 26 ; DON: 901 ± 110 ;	100 g	003024
Deoxynivalenol in Wheat	DON: 1431 ± 256 ; Sum of 3AcDON and 15AcDON < 50	100 g	003025

Alkaloids

Component	Conc. [$\mu\text{g}/\text{mL}$]	Solvent	Amount	Cat. No.
Atropine (on request)	100	dried down	1 mL	ALK-001-1ML
Scopolamine (on request)	100	dried down	1 mL	ALK-003-1ML
Hyoscyamine (on request)	100	dried down	1 mL	ALK-004-1ML
Monocrotaline (on request)	100	dried down	1 mL	ALK-002-1ML
Retrorsine (on request)	50	dried down	1 mL	ALK-005-1ML
Senecionine (on request)	50	dried down	1 mL	ALK-006-1ML
Seneciophylline (on request)	50	dried down	1 mL	ALK-008-1ML
Senkirkine (on request)	50	dried down	1 mL	ALK-007-1ML

Contaminants

Component	Conc. [$\mu\text{g}/\text{mL}$]	Solvent	Amount	Cat. No.
Melamine	100	acetonitrile/water	5 mL	CMT001
U- $^{13}\text{C}_3$ -Melamine	100	acetonitrile/water	1.2 mL	CMT002

Medical and Veterinary Drugs

Component	Conc. [$\mu\text{g}/\text{mL}$]	Solvent	Amount	Cat. No.
Chloramphenicol	100	acetonitrile	5 mL	ANT-005-5ML
U- $^{13}\text{C}_{11}$ -Chloramphenicol	25	acetonitrile	1.2 mL	ANT-006-1.2ML
Cyclosporine A	100	acetonitrile	5 mL	ANT-004-5ML
U- $^{13}\text{C}_{62}$ -Cyclosporine A	25	acetonitrile	1.2 mL	ANT-003-1.2ML
Griseofulvin	100	acetonitrile	5 mL	ANT-002-5ML
U- $^{13}\text{C}_{17}$ -Griseofulvin	25	acetonitrile	1.2 mL	ANT-001-1.2ML

