

PRODUCTLIST

05/2016

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
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	100	dried down	1 mL	LMY-056-1ML
Beta-Zearalanol (Taleranol)	10	acetonitrile	1 mL	S02055
Beta-Zearalanol	10	acetonitrile	1 mL	S02043
Cyclopiazonic Acid (on request)	100	acetonitrile	1 mL	LMY-095-1ML
Citrinin	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
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	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
Paxillin (on request)	100	acetonitrile	1 mL	S02059

Mycotoxin Calibrant Solutions

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

ISO Guide 34 Certified Reference Materials

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
Deoxynivalenol in acetonitrile, Certified Reference Material	24.74	acetonitrile	2 mL	CRM001
Zearalenone in acetonitrile, Certified Reference Material	10.03	acetonitrile	2 mL	CRM002
Nivalenol in acetonitrile, Certified Reference Material	25.04	acetonitrile	2 mL	CRM003

Ergot Alkaloids

Component	Conc.* [µg/mL]	Solvent	Amount	Cat. No.
Agroclavine (on request)	100	dried down	0.5 mg	002071
Dihydroergocristine (on request)	100	dried down	0.5 mg	LMY-085-5ML
Ergocornine	100	dried down	0.5 mg	002064
Ergocorninine	25	dried down	0.125 mg	002072
Ergocristine	100	dried down	0.5 mg	002065
Ergocristinine	25	dried down	0.125 mg	002073
Ergocryptine	100	dried down	0.5 mg	002066
Ergocryptinine	25	dried down	0.125 mg	002074
Ergometrine	100	dried down	0.5 mg	002067
Ergometrinine	25	dried down	0.125 mg	LMY-090-5ML
Ergosine	100	dried down	0.5 mg	002068
Ergosinine	25	dried down	0.125 mg	LMY-089-5ML
Ergotamine	100	dried down	0.5 mg	002069
Ergotaminine	25	dried down	0.125 mg	002075

* after reconstitution in 5 mL of solvent

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 each	acetonitrile	5 mL	002016
DON, NIV, 3-AcDON, 15-AcDON			1 mL	S02016
MIX 3 (Fumonisin)	50 each	acetonitrile/water	5 mL	002006
FB1 & FB2			1 mL	S02006
MIX 4 (A+B-Trichothecenes & ZON)	10 each	acetonitrile	5 mL	002002
3-AcDON, DON, NIV, FusX, HT-2, T-2, DAS, ZON			1 mL	S02002
MIX 5 (Aflatoxins)	0.25 each	acetonitrile	6 mL	002022
Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2			1 mL	S02022
MIX 8 (Fusarium Toxins) (on request)	100 (DON & HT-2)			
DON, HT-2, T-2, ZON	10 (T-2) 30 (ZON)	acetonitrile	5 mL	LMY-093-5ML
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 (on request)	1 Box containing 8 vials	KIT001

Concentration See items: 002006, LMY-093-5ML, LMY-092-5ML, 002023, ILM025-1.2ML, ILM024-1.2ML, ILM023-1.2ML, 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	ILM011
U-[¹³ C ₁₇]-Aflatoxin G1	0.5	acetonitrile	1.2 mL	ILM012
U-[¹³ C ₁₇]-Aflatoxin G2	0.5	acetonitrile	1.2 mL	ILM013
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 ₁₃]-Citrinin	10	acetonitrile	1.2 mL	ILM026-1.2ML
U-[¹³ C ₁₃]-Cyclopiazonic acid (on request)	10	acetonitrile	1.2 mL	ILM027-1.2ML
U-[¹³ C ₁₅]-Deoxynivalenol	25	acetonitrile	1.2 mL	002005
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 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-[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	ILM014
U-[¹³ C ₁₅]-Nivalenol	25	acetonitrile	1.2 mL	ILM-019-1.2ML
U-[¹³ C ₂₂]-Roquefortine C (on request)	25	acetonitrile	1.2 mL	ILM-016-1.2ML
U-[¹³ C ₁₈]-Sterigmatocystin	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 (on request)	10 (DON & HT-2) 1 (T-2) 3 (ZON)	acetonitrile	1.2 mL	ILM025-1.2ML
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	ILM024-1.2ML
MIX 12 (¹³ C Fumonisins) U-[¹³ C ₃₄]-FUM B1, U-[¹³ C ₃₄]-FUM B2	5 each	acetonitrile/water	1.2 mL	ILM023-1.2ML

Solid Mycotoxin Standards

Component	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
Fusarenol X	99.4 ± 0.6	5 mg	001004
Fusarenol 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	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

*Purity will slightly differ from lot to lot



Quality Control Materials

Mycotoxins

Material	Conc. [$\mu\text{g}/\text{kg}$]	Amount	Item No.
Wheat, blank	< limit of detection	100 g	QCM0W0
Aflatoxins in Corn, low level	Afla B1: $4.3 \pm 1.4 \mu\text{g}/\text{kg}$	100 g	QCM1C1
	Afla B2: < $0.5 \mu\text{g}/\text{kg}$		
	Afla G1: < $0.5 \mu\text{g}/\text{kg}$		
	Afla G2: < $0.5 \mu\text{g}/\text{kg}$		
Aflatoxins in Corn, mid level	Afla B1: $8.8 \pm 3.1 \mu\text{g}/\text{kg}$	100 g	QCM1C2
	Afla B2: < $1 \mu\text{g}/\text{kg}$		
	Afla G1: < $1 \mu\text{g}/\text{kg}$		
	Afla G2: < $1 \mu\text{g}/\text{kg}$		
Deoxynivalenol in Corn, low level	$569 \pm 60 \mu\text{g}/\text{kg}$	100 g	QCM2C1
Deoxynivalenol in Corn, mid level	$1077 \pm 73 \mu\text{g}/\text{kg}$	100 g	QCM2C2
Deoxynivalenol in Corn, high level	$2734 \pm 171 \mu\text{g}/\text{kg}$	100 g	QCM2C3
Deoxynivalenol in Wheat, low level	$906 \pm 68 \mu\text{g}/\text{kg}$	100 g	QCM2W1
Deoxynivalenol in Wheat, mid level	$1431 \pm 256 \mu\text{g}/\text{kg}$	100 g	QCM2W2
Deoxynivalenol in Barley, high level	$4510 \pm 1092 \mu\text{g}/\text{kg}$	100 g	QCM2B3
Fumonisin in Corn, low level	Fum B1: $667 \pm 78 \mu\text{g}/\text{kg}$	100 g	QCM3C1
	Fum B2: $156 \pm 21 \mu\text{g}/\text{kg}$		
	Fum B3: $89 \pm 22 \mu\text{g}/\text{kg}$		
Fumonisin in Corn, mid level	Fum B1: $1232 \pm 152 \mu\text{g}/\text{kg}$	100 g	QCM3C2
	Fum B2: $282 \pm 42 \mu\text{g}/\text{kg}$		
	Fum B3: $139 \pm 29 \mu\text{g}/\text{kg}$		
Fumonisin in Corn, high level	Fum B1: $3223 \pm 694 \mu\text{g}/\text{kg}$	100 g	QCM3C3
	Fum B2: $920 \pm 165 \mu\text{g}/\text{kg}$		
	Fum B3: $569 \pm 167 \mu\text{g}/\text{kg}$		
Ochratoxin A in Wheat, mid level	$8.6 \pm 3.6 \mu\text{g}/\text{kg}$	100 g	QCM4W2
Zearalenone in Corn, low level	$67 \pm 16 \mu\text{g}/\text{kg}$	100 g	QCM6C1
Zearalenone in Corn, mid level	$181 \pm 18 \mu\text{g}/\text{kg}$	100 g	QCM6C2
Zearalenone in Corn, high level	$366 \pm 33 \mu\text{g}/\text{kg}$	100 g	QCM6C3
Multitoxin (DON, Fumonisin, ZON) in Corn	DON: $821 \pm 64 \mu\text{g}/\text{kg}$	100 g	QCM7C1
	Fum B1: $667 \pm 78 \mu\text{g}/\text{kg}$		
	Fum B2: $156 \pm 21 \mu\text{g}/\text{kg}$		
	Fum B3: $89 \pm 22 \mu\text{g}/\text{kg}$		
	ZON: $87 \pm 7 \mu\text{g}/\text{kg}$		

Allergens

Material	Expected Value [mg/kg]	Amount	Item No.
Positive control sample for egg	1.6 mg/kg egg white protein	5 g	004001
	5.0 mg/kg whole egg		
Positive control sample for casein	1.2 mg/kg casein	5 g	004002
Positive control sample for peanut	4.8 mg/kg peanut	5 g	004003

Alkaloids

Component	Conc. [$\mu\text{g}/\text{mL}$]	Solvent	Amount	Cat. No.
Atropine (on request)	100	dried down	1 mL	ALK-001-1ML
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
Scopolamine (on request)	100	dried down	1 mL	ALK-003-1ML
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 and Medical/Veterinary Drugs

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
Chloramphenicol (on request)	100	acetonitrile	5 mL	ANT-005-5ML
U- $^{13}\text{C}_{11}$ -Chloramphenicol (on request)	25	acetonitrile	1.2 mL	ANT-006-1.2ML
Cyclosporine A (on request)	100	acetonitrile	5 mL	ANT-004-5ML
U- $^{13}\text{C}_{62}$ -Cyclosporine A (on request)	25	acetonitrile	1.2 mL	ANT-003-1.2ML
Griseofulvin (on request)	100	acetonitrile	5 mL	ANT-002-5ML
U- $^{13}\text{C}_{17}$ -Griseofulvin (on request)	25	acetonitrile	1.2 mL	ANT-001-1.2ML
Tetracycline (on request)	2.5	dried down	5 x 1 mL	ANT-007
U- $^{13}\text{C}_{22}^{15}\text{N}_2$ -Tetracycline (on request)	2.5	dried down	5 x 1 mL	ANT-008
Oxytetracycline (on request)	2.5	dried down	5 x 1 mL	ANT-009
U- $^{13}\text{C}_{22}^{15}\text{N}_2$ -Oxytetracycline (on request)	2.5	dried down	5 x 1 mL	ANT-010

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