

# PRODUCTLIST

05/2020

## Mycotoxin Calibrant Solutions

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
15-Acetoxy-scirpenol (on request)	50	acetonitrile	1 mL	10002875
15-Acetyl-Deoxynivalenol (15-AcDON)	100	acetonitrile	5 mL	10000338
15-Acetyl-Deoxynivalenol (15-AcDON)	100	acetonitrile	1 mL	10003650
3-Acetyl-Deoxynivalenol (3-AcDON)	100	acetonitrile	5 mL	10000337
3-Acetyl-Deoxynivalenol (3-AcDON)	100	acetonitrile	1 mL	10003649
Aflatoxin B1 (AFB1)	2	acetonitrile	5 mL	10000340
Aflatoxin B1 (AFB1)	2	acetonitrile	1 mL	10003652
Aflatoxin B2 (AFB2)	0.5	acetonitrile	5 mL	10000341
Aflatoxin B2 (AFB2)	0.5	acetonitrile	1 mL	10003653
Aflatoxin G1 (AFG1)	2	acetonitrile	5 mL	10000342
Aflatoxin G1 (AFG1)	2	acetonitrile	1 mL	10003654
Aflatoxin G2 (AFG2)	0.5	acetonitrile	5 mL	10000343
Aflatoxin G2 (AFG2)	0.5	acetonitrile	1 mL	10003655
Aflatoxin M1	0.5	acetonitrile	5 mL	10000349
Aflatoxin M1	0.5	acetonitrile	1 mL	10003661
Alpha-Zearalanol (Zeranol)	10	acetonitrile	1 mL	10003676
Alpha-Zearalanol	10	acetonitrile	1 mL	10003667
Alternariol	100	dried down	1 mL	10003681
Alternariolmethylether	100	dried down	1 mL	10003682
Altenuene	10	acetonitrile	1 mL	10003684
Altartoxin I	10	acetonitrile	1 mL	10003685
Beauvericin	100	dried down	1 mL	10002867
Beta-Zearalanol (Taleranol)	10	acetonitrile	1 mL	10003677
Beta-Zearalanol	10	acetonitrile	1 mL	10003668
Cyclopiazonic Acid (on request)	100	acetonitrile	1 mL	10002881
Citrinin	100	acetonitrile	1 mL	10003679
Deepoxy-deoxynivalenol	50	acetonitrile	5 mL	10000350
Deepoxy-deoxynivalenol	50	acetonitrile	1 mL	10003662
Deoxynivalenol (DON)	100	acetonitrile	5 mL	10000334
Deoxynivalenol (DON)	100	acetonitrile	1 mL	10003646
Deoxynivalenol-3-glucoside	50	acetonitrile	1 mL	10003669
Diacetoxyscirpenol (DAS)	100	acetonitrile	5 mL	10000353
Diacetoxyscirpenol (DAS)	100	acetonitrile	1 mL	10003665
Fumonisin B1 (FB1)	50	acetonitrile/water	5 mL	10000330
Fumonisin B1 (FB1)	50	acetonitrile/water	1 mL	10003642
Fumonisin B1, hydrolyzed (HFB1) (on request)	25	acetonitrile/water	1 mL	10002873
Fumonisin B2 (FB2)	50	acetonitrile/water	5 mL	10000331
Fumonisin B2 (FB2)	50	acetonitrile/water	1 mL	10003643
Fumonisin B3 (FB3)	50	acetonitrile/water	1 mL	10003645
Fusarenon X (FusX)	100	acetonitrile	5 mL	10000335
Fusarenon X (FusX)	100	acetonitrile	1 mL	10003647
HT-2 Toxin (HT-2)	100	acetonitrile	5 mL	10000352
HT-2 Toxin (HT-2)	100	acetonitrile	1 mL	10003664
Moniliformin (MON)	100	acetonitrile/water	1 mL	10003678
Mycophenolic acid (on request)	100	acetonitrile	1 mL	10003672
Neosolaniol (NEO)	100	acetonitrile	5 mL	10000328
Neosolaniol (NEO)	100	acetonitrile	1 mL	10003640
Nivalenol (NIV)	100	acetonitrile	5 mL	10000336
Nivalenol (NIV)	100	acetonitrile	1 mL	10003648
Ochratoxin A (OTA)	10	acetonitrile	5 mL	10000346
Ochratoxin A (OTA)	10	acetonitrile	1 mL	10003658
Ochratoxin B (OTB)	10	acetonitrile	1 mL	10003674
Ochratoxin-alpha (OTα)	10	acetonitrile	1 mL	10003675
Patulin (PAT)	100	acetonitrile	5 mL	10000347
Patulin (PAT)	100	acetonitrile	1 mL	10003659



## Mycotoxin Calibrant Solutions

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
Secalonic Acid D (on request)	50	chloroform	1.2 mL	10002878
Sterigmatocystin	50	acetonitrile	5 mL	10000356
Sterigmatocystin	50	acetonitrile	1 mL	10003673
T-2 Tetraol (on request)	50	acetonitrile	1 mL	10003671
T-2 Toxin (T-2)	100	acetonitrile	5 mL	10000351
T-2 Toxin (T-2)	100	acetonitrile	1 mL	10003663
T-2 Triol	50	acetonitrile	1 mL	10003670
Tentoxin	100	dried down	1 mL	10003683
Tenuazonic acid	100	dried down	1 mL	10002868
Zearalanone (ZAN)	10	acetonitrile	1 mL	10003666
Zearalenone	100	acetonitrile	5 mL	10000348
Zearalenone	100	acetonitrile	1 mL	10003660

## Reference Materials produced according to ISO Guide 34

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
Deoxynivalenol in acetonitrile	24.74 ± 0.62	acetonitrile	2 mL	10003600
Zearalenone in acetonitrile	10.03 ± 0.38	acetonitrile	2 mL	10003601
Nivalenol in acetonitrile	25.04 ± 0.83	acetonitrile	2 mL	10003602
Ochratoxin A in acetonitrile	10.01 ± 0.25	acetonitrile	2 mL	10003603

## Ergot Alkaloids

Component	Conc.* [µg/mL]	Solvent	Amount	Cat. No.
Dihydroergocristine (on request)	100	dried down	0.5 mg	10002871
Ergocornine	100	dried down	0.5 mg	10000357
Ergocorninine	25	dried down	0.125 mg	10000364
Ergocristine	100	dried down	0.5 mg	10000358
Ergocristinine	25	dried down	0.125 mg	10000365
Ergocryptine	100	dried down	0.5 mg	10000359
Ergocryptinine	25	dried down	0.125 mg	10000366
Ergometrine	100	dried down	0.5 mg	10000360
Ergometrinine	25	dried down	0.125 mg	10002877
Ergosine	100	dried down	0.5 mg	10000361
Ergosinine	25	dried down	0.125 mg	10002876
Ergotamine	100	dried down	0.5 mg	10000362
Ergotaminine	25	dried down	0.125 mg	10000367

\* after reconstitution in 5 mL of solvent

## Mycotoxin Calibrant Mixtures

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
<b>MIX 1</b> (Aflatoxins) Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2	2 (AFB1 & AFG1) 0.5 (AFB2 & AFG2)	acetonitrile	5 mL 1 mL	10000344 10003656
<b>MIX 2</b> (B-Trichothecenes) DON, NIV, 3-AcDON, 15-AcDON	100 each	acetonitrile	5 mL 1 mL	10000339 10003651
<b>MIX 3</b> (Fumonisin) FB1 & FB2	50 each	acetonitrile/water	5 mL 1 mL	10000333 10003644
<b>MIX 4</b> (A+B-Trichothecenes & Zearalenone) 3-AcDON, DON, NIV, FusX, HT-2, T-2, DAS, Zearalenone	10 each	acetonitrile	5 mL 1 mL	10000329 10003641
<b>MIX 5</b> (Aflatoxins) Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2	0.25 each	acetonitrile	6 mL 1 mL	10000345 10003657
<b>MIX 8</b> (Fusarium Toxins) (on request) DON, HT-2, T-2, Zearalenone	100 (DON & HT-2) 10 (T-2) 30 (Zearalenone)	acetonitrile	5 mL	10002880
<b>MIX 9</b> (Aflatoxins) Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2	1 each	acetonitrile	5 mL	10002879





## Stable Isotope Labeled Calibrants

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
U-[ <sup>13</sup> C <sub>17</sub> ]-3-Acetyl-Deoxynivalenol	25	acetonitrile	1.2 mL	10002811
U-[ <sup>13</sup> C <sub>17</sub> ]-15-Acetyl-Deoxynivalenol	10	acetonitrile	1.2 mL	10002840
U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin B1	0.5	acetonitrile	1.2 mL	10002818
U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin B2	0.5	acetonitrile	1.2 mL	10002819
U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin G1	0.5	acetonitrile	1.2 mL	10002820
U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin G2	0.5	acetonitrile	1.2 mL	10002822
U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin M1	0.5	acetonitrile	1.2 mL	10002832
U-[ <sup>13</sup> C <sub>19</sub> ]-Diacetoxyscirpenol	25	acetonitrile	1.2 mL	10002831
U-[ <sup>13</sup> C <sub>13</sub> ]-Citrinin	10	acetonitrile	1.2 mL	10002836
U-[ <sup>13</sup> C <sub>20</sub> ]-Cyclopiazonic acid (on request)	10	acetonitrile	1.2 mL	10002837
U-[ <sup>13</sup> C <sub>15</sub> ]-Deoxynivalenol	25	acetonitrile	1.2 mL	10000332
U-[ <sup>13</sup> C <sub>21</sub> ]-Deoxynivalenol-3-Glucoside	10	acetonitrile	1.2 mL	10002838
U-[ <sup>13</sup> C <sub>34</sub> ]-Fumonisin B1	25	acetonitrile/water	1.2 mL	10002806
U-[ <sup>13</sup> C <sub>34</sub> ]-Fumonisin B2	10	acetonitrile/water	1.2 mL	10002808
U-[ <sup>13</sup> C <sub>34</sub> ]-Fumonisin B3	10	acetonitrile/water	1.2 mL	10002810
U-[ <sup>13</sup> C <sub>22</sub> ]-HT-2 Toxin	25	acetonitrile	1.2 mL	10002814
U-[ <sup>13</sup> C <sub>20</sub> ]-Ochratoxin A	10	acetonitrile	1.2 mL	10002812
U-[ <sup>13</sup> C <sub>7</sub> ]-Patulin	25	acetonitrile	1.2 mL	10002825
U-[ <sup>13</sup> C <sub>17</sub> ]-Mycophenolic acid (on request)	100	acetonitrile	1.2 mL	10002823
U-[ <sup>13</sup> C <sub>15</sub> ]-Nivalenol	25	acetonitrile	1.2 mL	10002829
U-[ <sup>13</sup> C <sub>18</sub> ]-Sterigmatocystin	25	acetonitrile	1.2 mL	10002828
U-[ <sup>13</sup> C <sub>24</sub> ]-T-2 Toxin	25	acetonitrile	1.2 mL	10000354
U-[ <sup>13</sup> C <sub>18</sub> ]-Zearalenone	25	acetonitrile	1.2 mL	10002816

## Stable Isotope Labeled Calibrant Mixtures

Component	Conc. [µg/mL]	Solvent	Amount	Cat. No.
<b>MIX 10</b> ( <sup>13</sup> C Fusarium Toxins) (on request) U-[ <sup>13</sup> C <sub>15</sub> ]-DON, U-[ <sup>13</sup> C <sub>22</sub> ]-HT-2, U-[ <sup>13</sup> C <sub>24</sub> ]-T-2, U-[ <sup>13</sup> C <sub>18</sub> ]-Zearalenone	10 (DON & HT-2) 1 (T-2) 3 (Zearalenone)	acetonitrile	1.2 mL	10002835
<b>MIX 11</b> ( <sup>13</sup> C Aflatoxins) U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin B1, U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin B2 U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin G1, U-[ <sup>13</sup> C <sub>17</sub> ]-Aflatoxin G2	0.5 each	acetonitrile	1.2 mL	10002834
<b>MIX 12</b> ( <sup>13</sup> C Fumonisin) U-[ <sup>13</sup> C <sub>34</sub> ]-FUM B1, U-[ <sup>13</sup> C <sub>34</sub> ]-FUM B2	5 each	acetonitrile/water	1.2 mL	10002833

## Solid Mycotoxin Standards

Component	Purity* [%]	Amount	Cat. No.
15-Acetyldeoxynivalenol	98.8 ± 1.2	5 mg	10000305
15-Acetyldeoxynivalenol	98.8 ± 1.2	10 mg	10000322
3-Acetyldeoxynivalenol	99.4 ± 0.6	5 mg	10000302
3-Acetyldeoxynivalenol	99.4 ± 0.6	10 mg	10000319
Aflatoxin B1	99.5 ± 0.5	5 mg	10000311
Aflatoxin B2	99.7 ± 0.3	5 mg	10000312
Aflatoxin G1	98.0 ± 2.0	5 mg	10000313
Aflatoxin G2	97.1 ± 2.9	5 mg	10000314
Deoxynivalenol	99.4 ± 0.6	5 mg	10000301
Deoxynivalenol	99.4 ± 0.6	10 mg	10000318
Fumonisin B1	97.6 ± 2.4	5 mg	10000306
Fumonisin B1	97.6 ± 2.4	10 mg	10000323
Fusarenon X	99.4 ± 0.6	5 mg	10000303
Fusarenon X	99.4 ± 0.6	10 mg	10000320
Neosolaniol	99.4 ± 0.6	5 mg	10000309
Neosolaniol	99.4 ± 0.6	10 mg	10000326
Nivalenol hydrate	98.6 ± 1.4	5 mg	10000304
Nivalenol hydrate	98.6 ± 1.4	10 mg	10000321
Ochratoxin A	99.5 ± 0.5	5 mg	10000307
Ochratoxin A	99.5 ± 0.5	10 mg	10000324
Patulin	99.7 ± 0.3	5 mg	10000315
Sterigmatocystin	99.7 ± 0.3	5 mg	10000316
T-2 Toxin	99.7 ± 0.3	5 mg	10000310
T-2 Toxin	99.7 ± 0.3	10 mg	10000327
Zearalenone	99.4 ± 0.6	5 mg	10000308
Zearalenone	99.4 ± 0.6	10 mg	10000325

\*Purity will slightly differ from lot to lot

## Quality Control Materials

These products represent naturally contaminated materials and have a limited supply. The exact concentration of the respective mycotoxins is stated on the certificate of analysis.

### Mycotoxins

Material	Amount	Item No.
Wheat, blank	100 g	10003611
Deoxynivalenol in Corn, low level	100 g	10003615
Deoxynivalenol in Corn, high level	100 g	10003617
Deoxynivalenol in Wheat, low level	100 g	10003618
Deoxynivalenol in Barley, high level	100 g	10003614
Fumonisin in Corn, low level	100 g	10003620
Fumonisin in Corn, mid level	100 g	10003621
Fumonisin in Corn, high level	100 g	10003622
Zearalenone in Corn, low level	100 g	10003624
Zearalenone in Corn, high level	100 g	10003626
Multitoxin (DON, Fumonisin, Zearalenone) in Corn	100 g	10003627
DON and ZON in corn, mid level	100 g	10005531
DON and ZON in wheat, mid level	100 g	10005532

### Alkaloids

Component	Conc. [ $\mu\text{g}/\text{mL}$ ]	Solvent	Amount	Cat. No.
Atropine (on request)	100	dried down	1 mL	10001831
Hyoscyamine (on request)	100	dried down	1 mL	10001834
Scopolamine (on request)	100	dried down	1 mL	10001833

### Contaminants and Medical/Veterinary Drugs

Component	Conc. [ $\mu\text{g}/\text{mL}$ ]	Solvent	Amount	Cat. No.
Melamine (on request)	100	acetonitrile/water	5 mL	10001919
U- $^{13}\text{C}_3$ -Melamine	100	acetonitrile/water	1.2 mL	10001920
U- $^{13}\text{C}_{17}$ -Griseofulvin (on request)	25	acetonitrile	1.2 mL	10001837
Tetracycline (on request)	2.5	dried down	5 x 1 mL	10001839
U- $^{13}\text{C}_{22}^{15}\text{N}_2$ -Tetracycline (on request)	2.5	dried down	5 x 1 mL	10001840
U- $^{13}\text{C}_{22}^{15}\text{N}_2$ -Oxytetracycline (on request)	2.5	dried down	5 x 1 mL	10001841

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