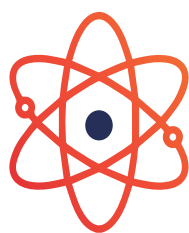




Fianovis

Act together for food integrity



MYCOTOXIN STANDARDS

Single & Mix Solutions
C13 fully labeled Standards
Native Standards

Fianovis : a state-of-the-art offer for accurate and reliable mycotoxin detection

Mycotoxins are secondary metabolites produced by different types of fungi that can contaminate cereals, fruits or spices. If ingested in high quantities, these toxic substances can be harmful to human and animal health. Governments set limits for mycotoxins levels to ensure consumers protection. The accurate quantitative determination of mycotoxins is therefore a major issue for world food safety.

With more than 15 years of expertise in detection and quantification of mycotoxins, and substantial investments in R&D and human talents, Fianovis laboratory has developed specific expertise and technology for uniform and complete labeling by isotopic enrichment with Carbon 13 (stable isotope). This innovative technology, supported by high added-value know-how

ensure accurate mycotoxin detection by utilizing reference calibration solutions and internal standards as molecular tracers.

As an active part of French and international technical standardization committees, Fianovis actively shapes the future of analytical methods, contributing to the standardization and improvement of industry benchmarks.



Expertise
& innovation



Quality
& reliability



Support
& responsiveness

Adaptable and reliable **solutions to your evolving needs !**

Need to develop new methods, to use custom-made mixes or to test emerging molecules ?

Fianovis supports the growth of your business, meeting your specific needs in terms of mixing, concentration and conditioning.

Our goals

- Provide comprehensive analysis and method validation
- Enable quality control and method optimization
- Support research and development



Your benefits

- Save valuable time
- Minimize the risk of errors and non-compliance
- Streamline your inventory management

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We are extremely pleased with our partnership with Fianovis. Beyond the exceptional quality of their C13 internal labeled standards which ensure excellent repeatability of our analysis, we particularly appreciated the wide range of packaging options they offered. The availability of 10 mL vials allows us to maintain an appropriate stock of standards that meets our specific requirements.

- Stefan JAGER
Head of Laboratory
GBA Group - Germany

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7 reasons to choose Fianovis Mycotoxin standards

- Ready-to-use **internal standards**, **certified** with uncertainty for Mycotoxins analysis by LC-MS-MS and HPLC ⁽¹⁾
- **Multiple conditioning options** allowing dead volume reduction
- **C13 fully labeled solutions** avoiding isotope effect
- Made-in-France and in-house produced standards, allowing the complete mastery of the **manufacturing process**
- Tested and approved by french and international **private laboratories** and **public research centers**
- Stable **customized mixtures** adapted to your specific needs available on demand
- **Ready-to-use solutions** in secure crimp vials with a secondary package

(1) Our measuring equipment for weighing, pipetting and titration is aligned with the DAKKS & ILAC-MRA International System. Metrological traceability is ensured by an accredited laboratory.

FIANOVIS MYCOTOXIN STANDARDS RANGE

Fianovis offers a comprehensive range of calibrants for all regulated and emerging Mycotoxins: single and mix solutions, native and C13 fully labeled standards. Using Fianovis solutions enables you to generate calibration curves on HPLC or LC-MS-MS and to control and correct your extraction method. Our solutions are certified in accordance with the requirements of ISO 31, 34, 35 and Eurachem/CITAC guides.

● C13 fully labeled standard ● Native standards

Aflatoxins - Solvent: acetonitrile

Product Name	Concentration	Conditioning	Reference
U-[¹³ C ₁₇] - Aflatoxin B1	0.5 µg/mL	0.5 mL	FIA000104
		1.2 mL	FIA000105
		5 mL	FIA000106
		10 mL	FIA000107
U-[¹³ C ₁₇] - Aflatoxin B2	0.5 µg/mL	0.5 mL	FIA000108
		1.2 mL	FIA000109
		5 mL	FIA000110
		10 mL	FIA000111
U-[¹³ C ₁₇] - Aflatoxin G1	0.5 µg/mL	0.5 mL	FIA000112
		1.2 mL	FIA000113
		5 mL	FIA000114
		10 mL	FIA000115
U-[¹³ C ₁₇] - Aflatoxin G2	0.5 µg/mL	0.5 mL	FIA000116
		1.2 mL	FIA000117
		5 mL	FIA000118
		10 mL	FIA000119
U-[¹³ C ₁₇] - Aflatoxin M1	0.5 µg/mL	0.5 mL	FIA000120
		1.2 mL	FIA000121
		5 mL	FIA000122
		10 mL	FIA000123
Aflatoxin B1	2 µg/mL	1 mL	FIA000194
		5 mL	FIA000195
		10 mL	FIA000196
Aflatoxin B2	0.5 µg/mL	1 mL	FIA000197
		5 mL	FIA000198
		10 mL	FIA000199
Aflatoxin G1	2 µg/mL	1 mL	FIA000200
		5 mL	FIA000201
		10 mL	FIA000202
Aflatoxin G2	0.5 µg/mL	1 mL	FIA000203
		5 mL	FIA000204
		10 mL	FIA000205
Aflatoxin M1	0.5 µg/mL	1 mL	FIA000206
		5 mL	FIA000207
		10 mL	FIA000208

Product Name	Concentration	Conditioning	Reference
Aflatoxin M2	0.5 µg/mL	1 mL	FIA000209
		5 mL	FIA000210
		10 mL	FIA000211
U- ¹³ C ₁₇ - Aflatoxin B1, B2, G1, G2 mixture	0.5 µg/mL of each	0.5 mL	FIA000124
		1.2 mL	FIA000125
		5 mL	FIA000126
		10 mL	FIA000127
Aflatoxins B1, B2, G1, G2 mixture	250 ng/mL of each	1 mL	FIA000212
		5 mL	FIA000213
		10 mL	FIA000214
Aflatoxins B1, B2, G1, G2 mixture	B1, G1 : 2 µg/mL B2, G2 : 0.5 µg/mL	1 mL	FIA000215
		5 mL	FIA000216
		10 mL	FIA000217
Aflatoxins B1, B2, G1, G2 mixture	1 µg/mL of each	1 mL	FIA000376
		5 mL	FIA000377
		10 mL	FIA000378
Aflatoxins B1, B2, G1, G2 mixture	10 µg/mL of each	1 mL	FIA000218
		5 mL	FIA000219
		10 mL	FIA000220
Aflatoxins B1, B2, G1, G2 mixture	25 µg/mL of each	1 mL	FIA000221
		5 mL	FIA000222
		10 mL	FIA000223

15-Acetoxyscirpenol (MAS) - Solvent: acetonitrile

Product Name	Concentration	Conditioning	Reference
15-Acetoxyscirpenol (MAS)	50 µg/mL	1 mL	FIA000281
		5 mL	FIA000282
		10 mL	FIA000283

Alternaria Toxins - Solvent: methanol

Product Name	Concentration	Conditioning	Reference
U- ¹³ C ₁₅ - Altenuene (ALT)	10 µg/mL	0.5 mL	FIA000407
		1.2 mL	FIA000408
		5 mL	FIA000409
		10 mL	FIA000410
U- ¹³ C ₁₀ - Tenuazonic Acid (TEA)	10 µg/mL	0.5 mL	FIA000411
		1.2 mL	FIA000412
		5 mL	FIA000413
		10 mL	FIA000414
Alternariol (AOH)	50 µg/mL	1 mL	FIA000227
		5 mL	FIA000228
		10 mL	FIA000229

Product Name	Concentration	Conditioning	Reference
Alternariol Monomethyl Ether (AME)	50 µg/mL	1 mL	FIA000230
		5 mL	FIA000231
		10 mL	FIA000232
Altenuene (ALT)	10 µg/mL	1 mL	FIA000395
		5 mL	FIA000396
		10 mL	FIA000397
Tenuazonic Acid (TEA)	50 µg/mL	1 mL	FIA000398
		5 mL	FIA000399
		10 mL	FIA000400
Tentoxin (TEN)	50 µg/mL	1 mL	FIA000401
		5 mL	FIA000402
		10 mL	FIA000403
Alternariol, Alternariol Monomethyl Ether, Altenuene, Tentoxin mixture	10 µg/mL of each	1 mL	FIA000404
		5 mL	FIA000405
		10 mL	FIA000406

Deoxynivalenol and derivatives - Solvent: acetonitrile

Product Name	Concentration	Conditioning	Reference
U-[¹³ C ₁₅] - Deoxynivalenol	25 µg/mL	0.5 mL	FIA000128
		1.2 mL	FIA000129
		5 mL	FIA000130
		10 mL	FIA000131
U-[¹³ C ₁₇] -3-acetyl-Deoxynivalenol	25 µg/mL	0.5 mL	FIA000100
		1.2 mL	FIA000101
		5 mL	FIA000102
		10 mL	FIA000103
Deoxynivalenol (DON)	100 µg/mL	1 mL	FIA000239
		5 mL	FIA000240
		10 mL	FIA000241
3-acetyl-Deoxynivalenol	100 µg/mL	1 mL	FIA000191
		5 mL	FIA000192
		10 mL	FIA000193
15-acetyl-Deoxynivalenol	100 µg/mL	1 mL	FIA000188
		5 mL	FIA000189
		10 mL	FIA000190

Diacetoxyscirpenol (DAS) - Solvent: acetonitrile

Product Name	Concentration	Conditioning	Reference
Diacetoxyscirpenol (DAS)	100 µg/mL	1 mL	FIA000236
		5 mL	FIA000237
		10 mL	FIA000238

 Enniatins - Beauvericin – Solvent: methanol

Product Name	Concentration	Conditioning	Reference
Enniatin A	100 µg/mL	1 mL	FIA000245
		5 mL	FIA000246
		10 mL	FIA000247
Enniatin A1	100 µg/mL	1 mL	FIA000248
		5 mL	FIA000249
		10 mL	FIA000250
Enniatin B	100 µg/mL	1 mL	FIA000251
		5 mL	FIA000252
		10 mL	FIA000253
Enniatin B1	100 µg/mL	1 mL	FIA000254
		5 mL	FIA000255
		10 mL	FIA000256
Beauvericin	100 µg/mL	1 mL	FIA000233
		5 mL	FIA000234
		10 mL	FIA000235
Enniatins A, A1, B, B1, Beauvericin mixture	10 µg/mL of each	1 mL	FIA000257
		5 mL	FIA000258
		10 mL	FIA000259



 Fumonisins – Solvent: acetonitrile / water (50/50)

Product Name	Concentration	Conditioning	Reference
U-[¹³ C ₃₄] – Fumonisin B1	25 µg/mL	0.5 mL	FIA000132
		1.2 mL	FIA000133
		5 mL	FIA000134
		10 mL	FIA000135
U-[¹³ C ₃₄] – Fumonisin B2	10 µg/mL	0.5 mL	FIA000136
		1.2 mL	FIA000137
		5 mL	FIA000138
		10 mL	FIA000139
U-[¹³ C ₃₄] – Fumonisin B3	10 µg/mL	0.5 mL	FIA000140
		1.2 mL	FIA000141
		5 mL	FIA000142
		10 mL	FIA000143
Fumonisin B1	50 µg/mL	1 mL	FIA000260
		5 mL	FIA000261
		10 mL	FIA000262
Fumonisin B2	50 µg/mL	1 mL	FIA000263
		5 mL	FIA000264
		10 mL	FIA000265
Fumonisin B3	50 µg/mL	1 mL	FIA000266
		5 mL	FIA000267
		10 mL	FIA000268
U-[¹³ C ₃₄] – Fumonisins B1, B2 mixture	5 µg/mL of each	0.5 mL	FIA000144
		1.2 mL	FIA000145
		5 mL	FIA000146
		10 mL	FIA000147
U-[¹³ C ₃₄] – Fumonisins B1, B2 mixture	10 µg/mL of each	0.5 mL	FIA000148
		1.2 mL	FIA000149
		5 mL	FIA000150
		10 mL	FIA000151
Fumonisins B1, B2 mixture	50 µg/mL of each	1 mL	FIA000269
		5 mL	FIA000270
		10 mL	FIA000271
Fumonisins B1, B2, B3 mixture	50 µg/mL of each	1 mL	FIA000272
		5 mL	FIA000273
		10 mL	FIA000274

 Fusarenon-X – Solvent: acetonitrile

Product Name	Concentration	Conditioning	Reference
Fusarenon-X	100 µg/mL	1 mL	FIA000275
		5 mL	FIA000276
		10 mL	FIA000277

HT2 Toxin – Solvent: acetonitrile

Product Name	Concentration	Conditioning	Reference
U- ^{[13C]₂₂} – HT2 Toxin	25 µg/mL	0.5 mL	FIA000152
		1.2 mL	FIA000153
		5 mL	FIA000154
		10 mL	FIA000155
HT2 Toxin	100 µg/mL	1 mL	FIA000278
		5 mL	FIA000279
		10 mL	FIA000280

Neosolaniol – Solvent: acetonitrile

Product Name	Concentration	Conditioning	Reference
U- ^{[13C]₁₉} – Neosolaniol	25 µg/mL	0.5 mL	FIA000156
		1.2 mL	FIA000157
		5 mL	FIA000158
		10 mL	FIA000159
Neosolaniol	100 µg/mL	1 mL	FIA000284
		5 mL	FIA000285
		10 mL	FIA000286

Nivalenol – Solvent: acetonitrile

Product Name	Concentration	Conditioning	Reference
Nivalenol	100 µg/mL	1 mL	FIA000287
		5 mL	FIA000288
		10 mL	FIA000289

Ochratoxins – Solvent: methanol

Product Name	Concentration	Conditioning	Reference
U- ^{[13C]₂₀} – Ochratoxin A	10 µg/mL	0.5 mL	FIA000160
		1.2 mL	FIA000161
		5 mL	FIA000162
		10 mL	FIA000163
U- ^{[13C]₂₀} – Ochratoxin B	10 µg/mL	0.5 mL	FIA000164
		1.2 mL	FIA000165
		5 mL	FIA000166
		10 mL	FIA000167
Ochratoxin A	10 µg/mL	1 mL	FIA000290
		5 mL	FIA000291
		10 mL	FIA000292
Ochratoxin B	10 µg/mL	1 mL	FIA000293
		5 mL	FIA000294
		10 mL	FIA000295

Patulin – Solvent: acetonitrile

Product Name	Concentration	Conditioning	Reference
$[^{13}\text{C}_3]$ – Patulin	25 µg/mL	0.5 mL	FIA000168
		1.2 mL	FIA000169
		5 mL	FIA000170
		10 mL	FIA000171
Patulin	100 µg/mL	1 mL	FIA000296
		5 mL	FIA000297
		10 mL	FIA000298

Sterigmatocystin – Solvent: acetonitrile

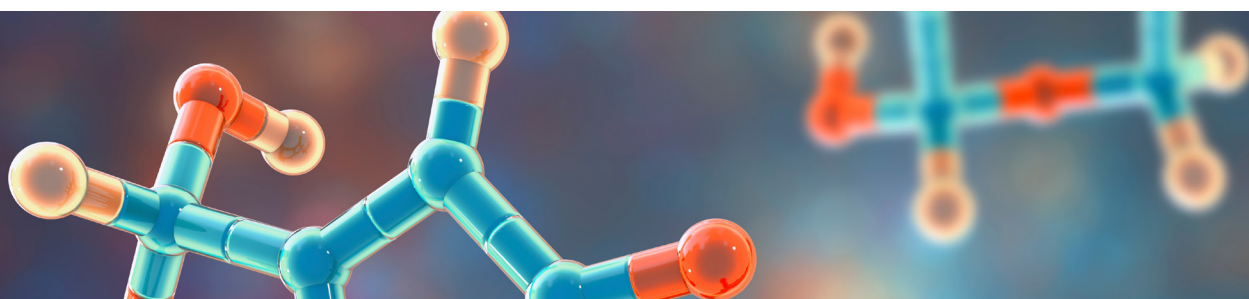
Product Name	Concentration	Conditioning	Reference
U- $[^{13}\text{C}_{18}]$ – Sterigmatocystin	25 µg/mL	0.5 mL	FIA000172
		1.2 mL	FIA000173
		5 mL	FIA000174
		10 mL	FIA000175
Sterigmatocystin	50 µg/mL	1 mL	FIA000373
		5 mL	FIA000374
		10 mL	FIA000375

T2 Toxin – Solvent: acetonitrile

Product Name	Concentration	Conditioning	Reference
U- $[^{13}\text{C}_{24}]$ – T2 Toxin	25 µg/mL	0.5 mL	FIA000176
		1.2 mL	FIA000177
		5 mL	FIA000178
		10 mL	FIA000179
T2 Toxin	100 µg/mL	1 mL	FIA000299
		5 mL	FIA000300
		10 mL	FIA000301

T2 Tetraol – Solvent: acetonitrile

Product Name	Concentration	Conditioning	Reference
T2 Tetraol	100 µg/mL	1 mL	FIA000305
		5 mL	FIA000306
		10 mL	FIA000307



T2 Triol - Solvent: acetonitrile

Product Name	Concentration	Conditioning	Reference
U- ^{[13C]₂₀} - T2 Triol	10 µg/mL	0.5 mL	FIA000180
		1.2 mL	FIA000181
		5 mL	FIA000182
		10 mL	FIA000183
T2 Triol	100 µg/mL	1 mL	FIA000308
		5 mL	FIA000309
		10 mL	FIA000310

Zearalenone - Solvent: acetonitrile

Product Name	Concentration	Conditioning	Reference
U- ^{[13C]₁₈} - Zearalenone	25 µg/mL	0.5 mL	FIA000184
		1.2 mL	FIA000185
		5 mL	FIA000186
		10 mL	FIA000187
Zearalenone	100 µg/mL	1 mL	FIA000311
		5 mL	FIA000312
		10 mL	FIA000313

Multi-components Mixtures

Mycotoxins often co-occurs in food and feed samples, their simultaneous analysis is therefore essential for a global assessment of mycotoxin contamination.

Fianovis multi-components mixtures enable you to analyze samples for multiple mycotoxins. This method significantly improves your analysis efficiency, reducing time and resources required.

Product Name and solvent	Concentration	Conditioning	Reference
U- ^[13C] - Deoxynivalenol, T2, HT2, Zearalenone mixture in acetonitrile	U-13C-DON 10 µg/mL	0.5 mL	FIA000314
	U-13C-T2 1 µg/mL	1.2 mL	FIA000315
	U-13C-HT2 10 µg/mL	5 mL	FIA000316
	U-13C-ZEA 3 µg/mL	10 mL	FIA000317
Aflatoxins B1, B2, G1, G2, Ochratoxin A mixture in acetonitrile	10 µg/mL of each	1 mL	FIA000224
		5 mL	FIA000225
		10 mL	FIA000226
Enniatins A, A1, B, B1, Beauvericin mixture in methanol	10 µg/mL of each	1 mL	FIA000257
		5 mL	FIA000258
		10 mL	FIA000259
T2, HT2 Toxins mixture in acetonitrile	100 µg/mL of each	1 mL	FIA000302
		5 mL	FIA000303
		10 mL	FIA000304



ABOUT FIANOVIS

Fianovis is a biotechnology laboratory based in France and specialized in R&D, production and commercialization of innovative and reliable solutions dedicated to food & feed safety.

The story of the company began more than 35 years ago, when Boutros Kerbaje, a Lebanese student, decided to move to France to pursue his studies in Biology. After obtaining several master degrees in Cellular & Molecular Biology and Marketing techniques, Boutros created Libios in 2006, the first French company specialized in development and commercialization of analysis kits dedicated to food safety, in particular mycotoxins.

Building in the success of its C13 fully labeled internal standards, Libios established Fianovis in 2023, a new entity dedicated to its R&D and manufacturing activity.

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