



# 13C LABELED INTERNAL MYCOTOXIN STANDARDS

LIB'UP®

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Our LIB'UP® allows you to guarantee the quality of your analyses and accurately measure the toxins contained in your samples thanks to the high quality and purity of our standards.

If you use our internal standards, you avoid yield losses during your extractions, and you greatly reduce ion suppression due to the matrix effect.

LIBIOS ”



Ready-to-use internal standards, certified with uncertainty for mycotoxins analysis by LC-MS/MS.



Uniformly enriched in 13C, at 98 % isotopic purity for an accurate and repeatable calibration.



Entire certificates in accordance with ISO 31, 34, 35 and Eurachem / CITAC guides.



Tested and approved by external laboratories and French public research centers.

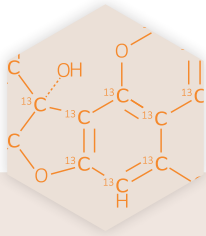


Various packaging: 0.5 mL - 1.2 mL - 5 mL - 10 mL and custom mixes.



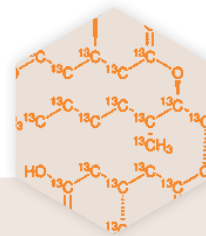
Standards are designed, elaborated and produced by our laboratory in France.

## WHY CHOOSE LIBIOS ?



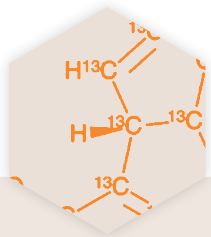
## Aflatoxins C13 labeled

	Concentration Solvent	Code / Packaging
<b>[13C17]-Aflatoxin B1</b>	0.5 µg/mL Acetonitrile	AB113C17-05-0.5 / (0.5 mL) AB113C17-05-1.2 / (1.2 mL) AB113C17-05-5 / (5 mL) AB113C17-05-10 / (10 mL)
<b>[13C17]-Aflatoxin B2</b>	0.5 µg/mL Acetonitrile	AB213C17-05-0.5 / (0.5 mL) AB213C17-05-1.2 / (1.2 mL) AB213C17-05-5 / (5 mL) AB213C17-05-10 / (10 mL)
<b>[13C17]-Aflatoxin G1</b>	0.5 µg/mL Acetonitrile	AG113C17-05-0.5 / (0.5 mL) AG113C17-05-1.2 / (1.2 mL) AG113C17-05-5 / (5 mL) AG113C17-05-10 / (10 mL)
<b>[13C17]-Aflatoxin G2</b>	0.5 µg/mL Acetonitrile	AG213C17-05-0.5 / (0.5 mL) AG213C17-05-1.2 / (1.2 mL) AG213C17-05-5 / (5 mL) AG213C17-05-10 / (10 mL)
<b>[13C17]-Aflatoxin M1</b>	0.5 µg/mL Acetonitrile	AM113C17-05-0.5 / (0.5 mL) AM113C17-05-1.2 / (1.2 mL) AM113C17-05-5 / (5 mL) AM113C17-05-10 / (10 mL)
<b>[13C17]-Aflatoxins B1, B2, G1, G2 (mix)</b>	0.5 µg/mL of each Acetonitrile	ABG13C17-05-0.5 / (0.5 mL) ABG13C17-05-1.2 / (1.2 mL) ABG13C17-05-5 / (5 mL) ABG13C17-05-10 / (10 mL)



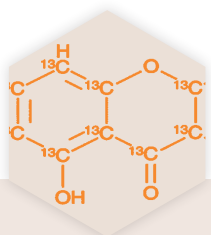
## Fumonisin C13 labeled

	Concentration Solvent	Code / Packaging
<b>[13C34]-Fumonisin B1</b>	25 µg/mL Acetonitrile/Water (50/50)	FB113C34-25-0.5 / (0.5 mL) FB113C34-25-1.2 / (1.2 mL) FB113C34-25-5 / (5 mL) FB113C34-25-10 / (10 mL)
<b>[13C34]-Fumonisin B2</b>	10 µg/mL Acetonitrile/Water (50/50)	FB213C34-10-0.5 / (0.5 mL) FB213C34-10-1.2 / (1.2 mL) FB213C34-10-5 / (5 mL) FB213C34-10-10 / (10 mL)
<b>[13C34]-Fumonisin B3</b>	10 µg/mL Acetonitrile/Water (50/50)	FB313C34-10-0.5 / (0.5 mL) FB313C34-10-1.2 / (1.2 mL) FB313C34-10-5 / (5 mL) FB313C34-10-10 / (10 mL)
<b>[13C34]-Fumonisin B1 &amp; B2 (mix)</b>	5 µg/mL Acetonitrile/Water (50/50)	FB1213C34-5-0.5 / (0.5 mL) FB1213C34-5-1.2 / (1.2 mL) FB1213C34-5-5 / (5 mL) FB1213C34-5-10 / (10 mL)
<b>[13C34]-Fumonisin B1 &amp; B2 (mix)</b>	10 µg/mL Acetonitrile/Water (50/50)	FB1213C34-10-0.5 / (0.5 mL) FB1213C34-10-1.2 / (1.2 mL) FB1213C34-10-5 / (5 mL) FB1213C34-10-10 / (10 mL)



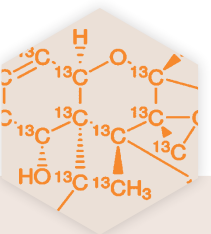
## Ochratoxins C13 labeled

	Concentration Solvent	Code / Packaging
<b>[13C20]-Ochratoxin A</b>	10 µg/mL Methanol	OTA13C20-10-0.5 / (0.5 mL) OTA13C20-10-1.2 / (1.2 mL) OTA13C20-10-5 / (5 mL) OTA13C20-10-10 / (10 mL)
<b>[13C20]-Ochratoxin B</b>	10 µg/mL Methanol	OTB13C20-10-0.5 / (0.5 mL) OTB13C20-10-1.2 / (1.2 mL) OTB13C20-10-5 / (5 mL) OTB13C20-10-10 / (10 mL)



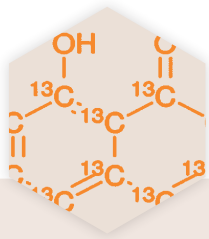
## Sterigmatocystin C13 labeled

	Concentration Solvent	Code / Packaging
<b>[13C18]-Sterigmatocystin</b>	25 µg/mL Acetonitrile	STR13C18-25-0.5 / (0.5 mL) STR13C18-25-1.2 / (1.2 mL) STR13C18-25-5 / (5 mL) STR13C18-25-10 / (10 mL)



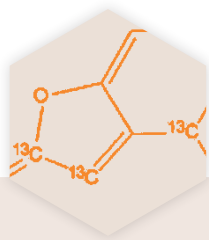
## Trichothecenes C13 labeled

	Concentration Solvent	Code / Packaging
<b>[13C17]-3-Acetyl-Deoxynivalenol</b>	25 µg/mL Acetonitrile	3A13C17-25-0.5 / (0.5 mL) 3A13C17-25-1.2 / (1.2 mL) 3A13C17-25-5 / (5 mL) 3A13C17-25-10 / (10 mL)
<b>[13C15]-Deoxynivalenol</b>	25 µg/mL Acetonitrile	DON13C15-25-0.5 / (0.5 mL) DON13C15-25-1.2 / (1.2 mL) DON13C15-25-5 / (5 mL) DON13C15-25-10 / (10 mL)
<b>[13C24]-T2 toxin</b>	25 µg/mL Acetonitrile	T213C24-25-0.5 / (0.5 mL) T213C24-25-1.2 / (1.2 mL) T213C24-25-5 / (5 mL) T213C24-25-10 / (10 mL)
<b>[13C22]-HT2 toxin</b>	25 µg/mL Acetonitrile	HT213C22-25-0.5 / (0.5 mL) HT213C22-25-1.2 / (1.2 mL) HT213C22-25-5 / (5 mL) HT213C22-25-10 / (10 mL)
<b>[13C20]-T2 triol</b>	10 µg/mL Acetonitrile	TRI13C20-10-0.5 (0.5 mL) TRI13C20-10-1.2 (1.2 mL) TTRI13C20-10-5 (5 mL) TRI13C20-10-10 (10 mL)
<b>[13C19]-Neosolaniol</b>	25 µg/mL Acetonitrile	NEO13C19-25-0.5 / (0.5 mL) NEO13C19-25-1.2 / (1.2 mL) NEO13C19-25-5 / (5 mL) NEO13C19-25-10 / (10 mL)



## Zearalenone C13 labeled

	Concentration Solvent	Code / Packaging
[13C18]-Zearalenone	25 µg/mL Acetonitrile	ZEA13C18-25-0.5 / (0.5 mL) ZEA13C18-25-1.2 / (1.2 mL) ZEA13C18-25-5 / (5 mL) ZEA13C18-25-10 / (10 mL)

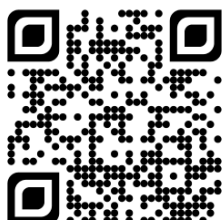


## Patulin C13 labeled

	Concentration Solvent	Code / Packaging
[13C3]-Patulin	25 µg/mL Acetonitrile	PAT13C3-25-0.5 / (0.5 mL) PAT13C3-25-1.2 / (1.2 mL) PAT13C3-25-5 / (5 mL) PAT13C3-25-10 / (10 mL)

LIBIOS offers you its own methods and tools to purify your samples for mycotoxins analysis by HPLC / LC-MS/MS. Our SPECIFIC and PERFORMING purification columns are ideal for purifying your samples:

- Immunoaffinity columns
- SPE Clean-up / Extra Clean-up columns
- SPE Syringe / Extra Syringe columns



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