



## LIB'UP® Standards

### Analyze Mycotoxins

with accurate and specific tools!

- Powder standards
- Certified solution standards
- Customized solution standards

LIBIOS offers you its standards (controls) range LIB'UP®, INNOVATIVE and EVOLUTIVE for Mycotoxins analysis.

Using the LIBIOS standards you can:

- Generate calibration curves on HPLC or LC-MSMS
- Control your extraction method



## + ADVANTAGES

- Wide, innovative and extensive range
- Standards in different forms:
  - Powder
  - Solution, ready-to-use
  - Mixture solutions, ready-to-use
- Recurring and specific toxins
- High purity standards
- Accurate and repeatable calibrations
- Different packaging
- Long expiry dates
- Used in accredited laboratories
- Elaboration of customized solutions according to your choice of mixtures and concentrations
- Entire certificates of analysis, in accordance with ISO Guide 31, 34, 35 and Eurachem / CITAC

## + LIBIOS EXPERTISE:

- Standards preparation in our laboratory in France
- Scientific support offered by our team specialized in Mycotoxins analysis



## Powder standards LIB'UP®

\*NB : Our powder standards are available in several packaging: 1 mg; 5 mg; 10 mg; 20 mg; 50 mg;...

Designation	References	Designation	References
3-Acetyl DON	STD-3ACDON - 1 mg / 5 mg / 10 mg	Filipin III	STD-FIL3 - 1 mg / 5 mg / 10 mg
15-Acetyl DON	STD-15ACDON - 1 mg / 5 mg / 10 mg	Filipin complex	STD-FILX - 1 mg / 5 mg / 10 mg
Cyclopiazonic Acid	STD-CYC - 1 mg / 5 mg / 10 mg	Fumitremorgin C	STD-FUC - 1 mg / 5 mg / 10 mg
Helvolic Acid (fumigacin)	STD-HEL - 1 mg / 5 mg / 10 mg	Fumonisin B1	STD-FB1 - 1 mg / 5 mg / 10 mg
Tenuazonic Acid	STD-TEN - 1 mg / 5 mg / 10 mg	Fumonisin B2	STD-FB2 - 1mg / 5mg / 10mg
Aflatoxicol (Aflatoxin RO)	STD-AFX - 1 mg / 5 mg / 10 mg	Fumonisin B3	STD-FB3 - 1 mg / 5 mg / 10 mg
Aflatoxin B1	STD-AFB1 - 1 mg / 5 mg / 10 mg	Fumonisin B1 Hydrolysed	STD-HFB1 - 1 mg / 5 mg / 10 mg
Aflatoxin B2	STD-AFB2 - 1 mg / 5 mg / 10 mg	Fumonisin B2 Hydrolysed	STD-HFB2 - 1 mg / 5 mg / 10 mg
Aflatoxin G1	STD-AFG1 - 1 mg / 5 mg / 10 mg	Fumagillin	STD-FUM - 1 mg / 5 mg / 10 mg
Aflatoxin G2	STD-AFG2 - 1 mg / 5 mg / 10 mg	Fusarenon X	STD-FUS - 1 mg / 5 mg / 10 mg
Aflatoxin M1	STD-AFM1 - 100 µg / 1 mg / 5 mg	Gliotoxin	STD-GLI - 1 mg / 5 mg / 10 mg
Aflatoxin M2	STD-AFM2 - 100 µg / 1 mg / 5 mg	MAS - 15 acetoxyscirpenol	STD-MAS - 1 mg / 5 mg / 10 mg
Alpha Zearalanol	STD-AZAL - 1 mg / 5 mg / 10 mg	Moniliformin	STD-MON - 1 mg / 5 mg / 10 mg
Alpha Zearalenol	STD-AZL - 1 mg / 5 mg / 10 mg	Neosolaniol	STD-NEO - 1 mg / 5 mg / 10 mg
Altenuene	STD-ALU - 1 mg / 5 mg / 10 mg	Nivalenol	STD-NIV - 1 mg / 5 mg / 10 mg
Alternariol	STD-ALT - 1 mg / 5 mg / 10 mg	Ochratoxin A	STD-OTA - 1 mg / 5 mg / 10 mg
Alternariol Monomethyl Ether	STD-AME - 1 mg / 5 mg / 10 mg	Ochratoxin B	STD-OTB - 1 mg / 5 mg / 10 mg
Altertoxin I	STD-ALX - 1 mg / 5 mg / 10 mg	Patulin	STD-PAT - 1 mg / 5 mg / 10 mg
Beauvericin	STD-BEA - 1 mg / 5 mg / 10 mg	Roquefortine C	STD-ROQC - 1 mg / 5 mg / 10 mg
Beta Zearalanol	STD-BZAL - 1 mg / 5 mg / 10 mg	Sterigmatocystin	STD-STR - 1 mg / 5 mg / 10 mg
Beta Zearalenol	STD-BZL - 1 mg / 5 mg / 10 mg	Swainsonin	STD-SWA - 1 mg / 5 mg / 10 mg
Citrinin	STD-CIT - 1 mg / 5 mg / 10 mg	Tentoxin	STD-TEX - 1 mg / 5 mg / 10 mg
Curvularin	STD-CUR - 1 mg / 5 mg / 10 mg	Toxin T2	STD-T2 - 1 mg / 5 mg / 10 mg
10,11 Dehydrocurvularin	STD-DCUR - 1 mg / 5 mg / 10 mg	Toxin HT2	STD-HT2 - 1 mg / 5 mg / 10 mg
Cytochalasin A	STD-CYA - 1 mg / 5 mg / 10 mg	Verruculogen	STD-VER - 1 mg / 5 mg / 10 mg
Cytochalasin B	STD-CYB - 1 mg / 5 mg / 10 mg	Wortmannin	STD-WOR - 1 mg / 5 mg / 10 mg
Cytochalasin C	STD-CTC - 1 mg / 5 mg / 10 mg	Zearalanone	STD-ZAN - 1 mg / 5 mg / 10 mg
Cytochalasin D	STD-CYD - 1 mg / 5 mg / 10 mg	Zearalenone	STD-ZEA - 1 mg / 5 mg / 10 mg
Cytochalasin E	STD-CYE - 1 mg / 5 mg / 10 mg		
DAS - Diacetoxyscirpenol	STD-DAS - 1 mg / 5 mg / 10 mg		
DON - Deoxynivalenol	STD-DON - 1 mg / 5 mg / 10 mg		
Enniatin A	STD-ENNA - 1 mg / 5 mg / 10 mg		
Enniatin A1	STD-ENNA1 - 1 mg / 5 mg / 10 mg		
Enniatin B	STD-ENNB - 1 mg / 5 mg / 10 mg		
Enniatin B1	STD-ENNB1 - 1 mg / 5 mg / 10 mg		
Enniatin (complex)	STD-ENNX - 1 mg / 5 mg / 10 mg		
Dihydroergocristine mesylate	STD-ERGO-D - 1mg / 5 mg / 10 mg		
Ergocristine	STD-ERGOCS - 1mg / 5 mg / 10 mg		
Ergotamine	STD-ERGOTA - 1mg / 5 mg / 10 mg		

Please consult us for other molecules or packaging not listed.



## Solution standards LIB'UP®

**\*NB :** Other packaging are also available, please contact us.

Designation	References	Packaging in 1; 4 and 5 ml*
3-Acetyl-DON	STD-3ACD-100-1 STD-3ACD-100-5	100 µg/ml - 1 ml 100 µg/ml - 5 ml
15-Acetyl-DON	STD-15ACD-100-1 STD-15ACD-100-5	100 µg/ml - 1 ml 100 µg/ml - 5 ml
Aflatoxicol (Aflatoxin RO)	STD-AFX-2-1 STD-AFX-2-5	2 µg/ml - 1 ml 2 µg/ml - 5 ml
Aflatoxin B1	STD-AFB1-2-1 STD-AFB1-2-5	2 µg/ml - 1 ml 2 µg/ml - 5 ml
Aflatoxin B2	STD-AFB2-05-1 STD-AFB2-05-5	0.5 µg/ml - 1 ml 0.5 µg/ml - 5 ml
Aflatoxin G1	STD-AFG1-2-1 STD-AFG1-2-5	2 µg/ml - 1 ml 2 µg/ml - 5 ml
Aflatoxin G2	STD-AFG2-05-1 STD-AFG2-05-5	0.5 µg/ml - 1 ml 0.5 µg/ml - 5 ml
Aflatoxin M1	STD-AFM1-05-1 STD-AFM1-05-5	0.5 µg/ml - 1 ml 0.5 µg/ml - 5 ml
Aflatoxin M2	STD-AFM2-05-1 STD-AFM2-05-5	0.5 µg/ml - 1 ml 0.5 µg/ml - 5 ml
Aflatoxins B1 + B2 + G1 + G2 (Mixture)	STD-AFBG-250-1 STD-AFBG-250-4 STD-AFBG-205-1 STD-AFBG-205-4	250 ng/ml of each - 1 ml 250 ng/ml of each - 4 ml - (1 ml) B1 (2 µg/ml), G1 (2 µg/ml), B2 (0.5 µg/ml), G2 (0.5 µg/ml) - (4 ml) B1 (2 µg/ml), G1 (2 µg/ml), B2 (0.5 µg/ml), G2 (0.5 µg/ml)
Aflatoxins B1+ B2 + G1 + G2 + Ochratoxin A (Mixture)	STD-AFOTA-10-4 STD-AFOTA-10-10	10 µg/ml of each - 4 ml 10 µg/ml of each - 10 ml
Alternariol	STD-ALT-50-1 STD-ALT-50-5	50 µg/ml - 1 ml 50 µg/ml - 5 ml
Alternariol monomethyl ether	STD-AME-50-1 STD-AME-50-5	50 µg/ml - 1 ml 50 µg/ml - 5 ml
DAS - Diacetoxyscirpenol	STD-DAS-100-1 STD-DAS-100-5	100 µg/ml - 1 ml 100 µg/ml - 5 ml
DON - Deoxynivalenol	STD-DON-100-1 STD-DON-100-4	100 µg/ml - 1 ml 100 µg/ml - 4 ml
Ergocristine	STD-ERGCRS-25-1 STD-ERGCRS-25-5	25 µg/ml - 5 ml
Ergotamine	STD-ERGTA-25-1 STD-ERGTA-25-5	25 µg/ml - 1 ml 25 µg/ml - 5 ml
Ochratoxin A	STD-OTA-10-1 ME STD-OTA-10-4 ME	10 µg/ml - 1 ml 10 µg/ml - 4 ml
Fumonisin B1	STD-FB1-50-1 STD-FB1-50-5	50 µg/ml - 1 ml 50 µg/ml - 5 ml
Fumonisin B2	STD-FB2-50-1 STD-FB2-50-5	50 µg/ml - 1 ml 50 µg/ml - 5 ml
Fumonisin B3	STD-FB3-50-1 STD-FB3-50-5	50 µg/ml - 1 ml 50 µg/ml - 5 ml
Fumonisin B1 + B2 (Mixture)	STD-FB12-50-1 STD-FB12-50-5	50 µg/ml of each - 1 ml 50 µg/ml of each - 5 ml
Fusarenon-X	STD-FUS-100-1 STD-FUS-100-5	100 µg/ml - 1 ml 100 µg/ml - 5 ml
Neosolaniol	STD-NEO-100-1 STD-NEO-100-5	100 µg/ml - 1 ml 100 µg/ml - 5 ml

Nivalenol	STD-NIV-100-1 STD-NIV-100-5	100 µg/ml - 1 ml 100 µg/ml - 5 ml
Patulin	STD-PAT-100-1 STD-PAT-100-5	100 µg/ml - 1 ml 100 µg/ml - 5 ml
T2 Toxin	STD-T2-100-1 STD-T2-100-5	100 µg/ml - 1 ml 100 µg/ml - 5 ml
HT2 toxin	STD-HT2-100-1 STD-HT2-100-5	100 µg/ml - 1 ml 100 µg/ml - 5 ml
T2 + HT2 toxins (Mixture)	STD-THT2-100-1 STD-THT2-100-5	100 µg/ml of each - 1 ml 100 µg/ml of each - 5 ml
T2 tetraol	STD-TET-100-1 STD-TET-100-5	100 µg/ml - 1 ml 100 µg/ml - 5 ml
T2 triol	STD-TRI-100-1 STD-TRI-100-5	100 µg/ml - 1 ml 100 µg/ml - 5 ml
Zearalenone	STD-ZEA-100-1 STD-ZEA-100-4	100 µg/ml - 1 ml 100 µg/ml - 4 ml

**NEW**

<sup>13</sup>C labeled internal standards for mycotoxins analysis by LC-MSMS.

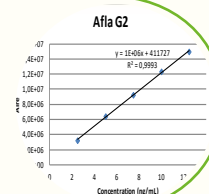
Ochratoxin A - T2 Toxine - Patulin - ...

Please, contact us.



**Our standards can be used to elaborate mycotoxins calibration curves. The results obtained are reliable, repeatable and allow you to ensure an accurate analysis of the target toxin.**

Calibration curve example (aflatoxin G2)



**FARLIB® ECD LIBIOS Cell:** an optimal equipment for aflatoxins analysis!

- Electrochemical cell that derivatize directly and in real time the aflatoxins, prior to HPLC
- Increased fluorescent activity for better detection
- INNOVATIVE and FAST Technique

**LIBIOS** proposes you a maintenance plan for your electrochemical cell

LIBIOS offers you its own methods and tools to purify your samples for mycotoxins analysis by HPLC / LC-MSMS.

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



Discover our kits and reagents range for the mycotoxins analysis / detection on our website:  
[www.libios.fr](http://www.libios.fr)