

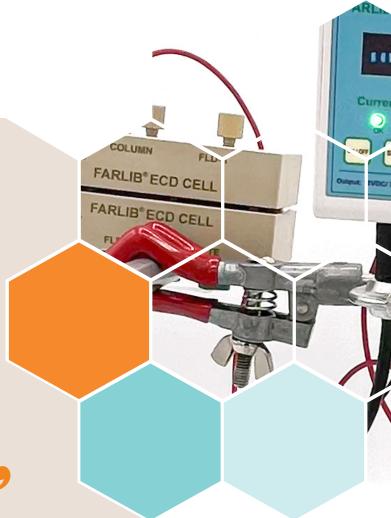
DERIVATISATION CELL

AFLATOXINS ANALYSIS BY HPLC



Some Aflatoxins are not fluorescent naturally. The confirmation, by HPLC notably, of aflatoxin presence in a sample, needs their derivatisation, particularly B1 and G1. This derivatisation helps to increase their natural fluorescence and makes their detection simple and sensitive. The FARLIB® LIBIOS Cell is an electrochemical cell which derivatises aflatoxins instantly from potassium bromide (KBr) present in the mobile phase. This derivatisation occurs quickly (reaction time ± 4 seconds), at ambiant temperature, without water-bath and online.







- Fast technique: 4 seconds
- No handling of halogenated solutions
- Easy installation / desinstallation
- No pump corrosion
- Very repeatable results
- Mobile phase is not modified despite of addition of KBr and nitric acid
- High increase of aflatoxins fluorescence activity
- No equipment or additionnal pumps
- More specific technique than resorting alternative methods notably TFA or iodinelation
- Derivatising agent included in the mobile phase
- Low maintenance costs

MAINTENANCE / REPAIR OF YOUR CELL

LIBIOS expertise for a fast repair with guaranteed results and without interruption of your analysis

Loan of one FARLIB®LIBIOS Cell during the maintenance of your equipment

Diagnostic of the parts to be changed, repaired and quote to validate before technical intervention

LIBIOS provides you all spare parts and consumables for your electrochemical cell:

KB-MEMB: spare membrane (Change recommendation: 1 to 2 years according to use)

KB-CONKIT: connexion kit of the cell to HPLC system

Code	Description	Packaging
KB-CELL	FARLIB® LIBIOS Cell: electrochemical cell for bromine post-column derivatisation of B1, B2, G1 and G2 aflatoxins prior to HPLC-Fluorescence detector	1 cell + 1 electronical box + 1 additionnal membrane
KB-MAINTENANCE	Maintenance and repair of electrochemical cell	1 service
KB-MEMB	Spare membrane for electrochemical cell	1 unit
KB-CONKIT	Connexion kit of cell to HPLC	1 unit
KB-PORTOIR	Stand (positive pressure) for immunoaffinity and SPE columns	1 unit
VAC-12 POS	Vacuum manifold 12 positions for immunoaffinity and SPE columns	1 complete system (Vacuum pump not included)
V01B	Vacuum pump with teflon membrane for VAC-12 POS	1 unit
PF-AFBG-1 / PF-AFBG-3	Immunoaffinity columns for a selective purification of B1, B2, G1 and G2 aflatoxins prior to HPLC	10 / 25 / 50 columns (1 or 3 mL format)
PBS-100C	PBS buffer - Phosphate Buffer Saline	100 tablets
ADAP-IAC	Adapters for immunoaffinity and SPE columns	1 unit / 10 units
SER-EMB-25ML	Syringue + tip for barrel of 25 mL	1 unit



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