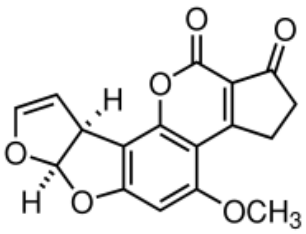
aokinQuickCleanAFLA

Analyte:

Aflatoxin B1 B2 G1 G2



Background:

aokin*QuickClean****AFLA*** columns allow a rapid and easy clean up of raw samples. ***aokin****QuickClean****AFLA*** columns minimize matrix effects and are used prior to determining Aflatoxin total (AFLA) and its metabolites. They can be utilized in combination with all common analytical methods such as ELISA, DC, HPLC, GCMS, Fluorescence Polarization (as ***aokin****mycontrol*), Lateral Flow, rapid kinetic assay.

Process:

1) Extraction of samples
2) Filtration and dilution to 40 % solvent, if precipitation occurs centrifuge at high g-factor
3) Add 500 µl onto spin column and centrifuge for 2 minutes at 5000 g.
Optional step: use eluate of first spin column and pipette onto new column, centrifuge again
4) Purified extract can be used directly for the analytical step

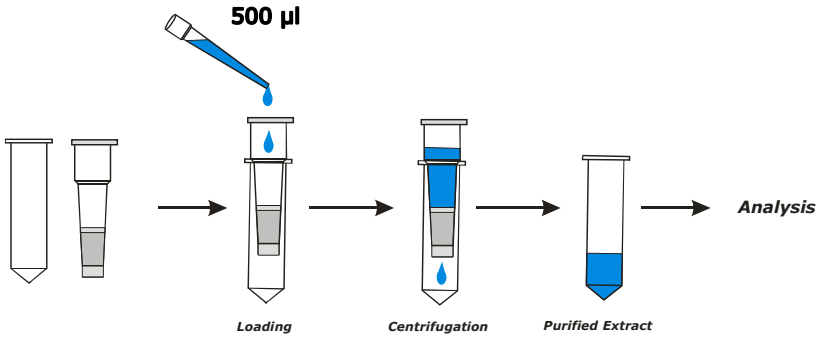


*Fig. 1 Purification and concentration of mycotoxin extracts using the **aokin**QuickClean spin column.*

Extraction solvent:

Mixtures of buffer/methanol (20/80) or other mixtures of alcohol, water, acetonitrile and additives,
aokin*ExtractionSolvent****AFLA*** *(Order-No.: ES-03-1000)* recommended,
or alternatively 20%H_20/80%Acetonitrile.

Recommended Procedure:

Volume for loading the spin column	500 µL extract
g-force (centrifuge)	5000 x g, 2 min
recovery rate AFLA	> 90 % (for wheat, corn, feed)

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