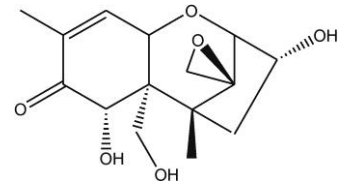




Analyte:

Deoxynivalenol (DON) and metabolites



Background:

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

Process:

- 1) Extraction of samples
- 2) Filtration
- 3) Add 500 μ l onto spin column and centrifuge for 3 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

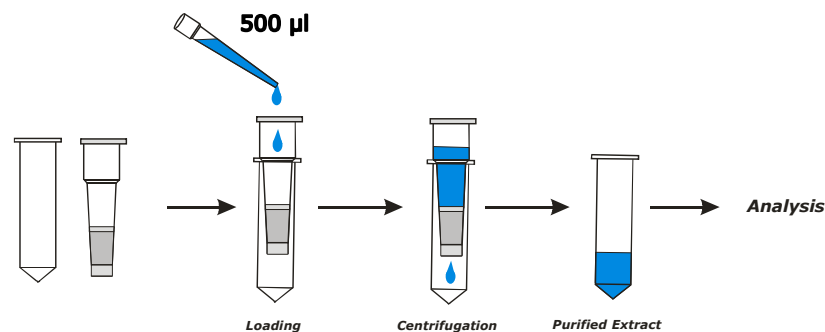


Fig. 1 Purification and concentration of mycotoxin extracts using the aokinQuickClean spin column.

Extraction solvent:

Any mixtures of alcohol, water, acetonitrile and additives, aokinExtractionSolventDON (Order-No.: QCES-02-1000) recommended, or alternatively 80% H_2O /20%Acetonitrile.

Trouble shooting: In case analyte recovery at clean up is too low adjust to 10 % alcohol prior to applying to the column.

Recommended Procedure:

Volume for loading the spin column	500 μ L extract
g-force (centrifuge)	5000 x g, 2 min
recovery rate DON	> 96 % (for wheat, corn, feed)

