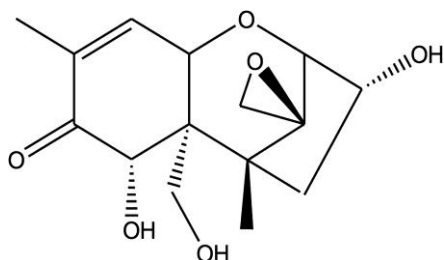


QuickClean DON

spin columns for sample preparation

Analyte



Deoxynivalenol (DON) and metabolites

Background

aokinQuickCleanDON columns allow a rapid and easy clean up of raw samples. The 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 µl sample 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
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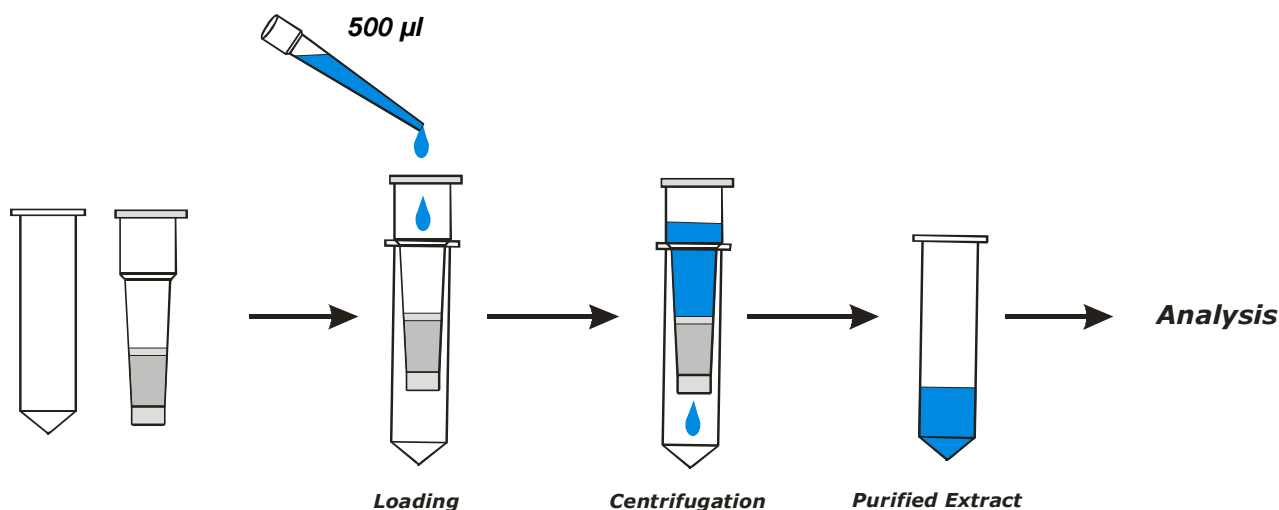


Fig. 1 Purification and concentration of mycotoxin extracts using the **aokin QuickClean** spin column.

Extraction solvent

Any mixtures of alcohol, water, acetonitrile and additives, **aokin Extraction Solvent DON** (Order-No.: ES-02-2500) recommended, or alternatively 80% H₂O/ 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 µL extract
g-force (centrifuge)	5000 g, 3 min
recovery rate for Deoxynivalenol (DON)	> 96 % (for wheat, corn, feed)