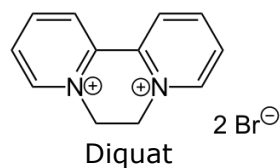
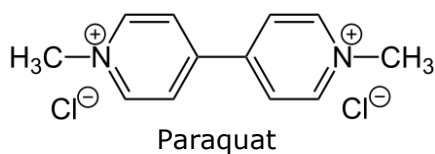


aokinQuickClean Paraquat/Diquat

Analyte:



Background:

aokinQuickClean Paraquat/Diquat columns allow a rapid and easy clean up of samples such as wheat, potatoes or pulses. aokinQuickClean Paraquat/Diquat columns minimize matrix effects and are used prior to determining Paraquat and Diquat. They can be utilized in combination with all common analytical methods such as GC-MS and HPLC.

Process:

- 1) Extraction of 20 g samples with 100 mL Acetonitrile
- 2) 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
- 3) Purified extract can be used directly for the analytical step

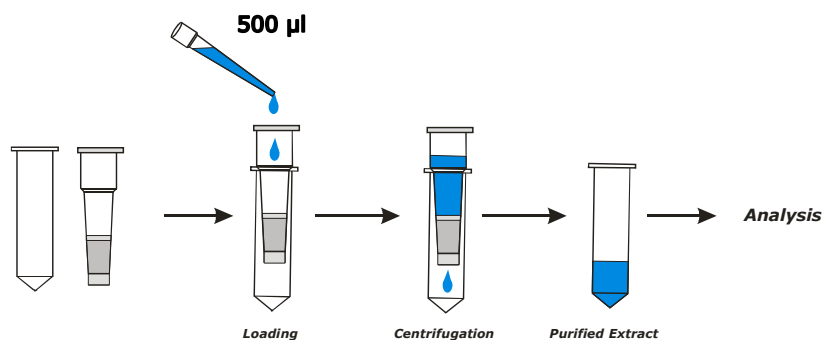


Fig. 1 Purification and concentration of Paraquat/Diquat extracts using the aokinQuickClean spin column.

Extraction solvent:

Acetonitrile

Recommended Procedure:

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