CANNABIS

QuEChERS

METHOD DEVELOPMENT KIT

FOOD

UCT's convenient **QuEChERS** kit is an ideal tool to systematically simplify your method development process. Featured blends were carefully selected to include key chemistries suitable for evaluation in a variety of matrices.

Through exploiting different mechanisms of interaction, labs will be able to maximize selectivity and improve recoveries for respective analytes of interest. Stop purchasing full packs of product without the assurity behind their performance.

Evaluate our QuEChERS method development kit today!

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QuEChERS Method Development Kit - Part #QMDKIT1

Extraction Salts (50mL Centrifuge Tubes)

- **Pink**: 10 x ECMSSC50CT - QuEChERS 4g MgSO4/1g NaCl, 50mL CT
- **Green**: 10 x ECMSSA50CT - QuEChERS 6g MgSO4/1.5g NaOAc, 50mL CT
- **Orange**: 10 x ECQUEU750CT - QuEChERS 4g MgSO4/1g NaCl/500mg Na2Cit/1g Na3Cit, 50mL CT

dSPE (2mL Centrifuge Tubes)

- **Pink**: 20 x CUMPS2CT - QuEChERS 150mg MgSO4/50mg PSA, 2mL CT
- **Green**: 20 x CUMC182CT - QuEChERS 150mg MgSO4/50mg C18, 2mL CT
- **Blue**: 20 x CUMPSC18CT - QuEChERS 150mg MgSO4/50mg PSA/50mg C18, 2mL CT
- **Brown**: 20 x CUMPSGGC182CT - QuEChERS 150mgMgSO4/50mgPSA/50mgChloroFiltr/50mg C18, 2mL CT
- **Yellow**: 20 x CUMPSC1875CB2CT - QuEChERS 150mg MgS04/50mg PSA/50mg C18/7.5mg GCB, 2mL CT

Extraction Salts Offered

Original, Non-buffered QuEChERS: 4g MgSO4/1g NaCl, 50mL CT
AOAC: 6g MgSO4/1.5g NaOAc, 50mL CT
European: 4g MgSO4/1g NaCl/500mg Na2Cit/1g Na3Cit, 50mL CT

dSPE Sorbent Varieties Offered

MgSO4 - Present in all blends and aids in removing residual water.

PSA - "Primary/Secondary Amine" scavenges organic acids and sugars, typical matrix component in fruits and vegetables. The amount of this sorbent included in a respective blend is critical as it can contribute to lower recovery for acidic analytes of interest.

C18 - scavenges residual proteins and lipids. The provided amount in kits is a good starting point for proof of concept but may need further adjustment based on matrix type.

GCB - "graphitized carbon black" removes pigments (notably chlorophyll and carotenoids). While targeting pigment removal, GCB also can lower recovery for planar pesticides so caution must be used when optimizing this sorbent type.

ChloroFiltr®- A novel polymeric based sorbent designed for the removal of chlorophyll from acetonitrile extracts. Traditional QuEChERS cleanup approaches use graphitized carbon black (GCB) to remove pigments, including chlorophyll, from sample extracts. Although GCB is effective in removing chlorophyll it can also retain planer analytes, resulting in low recovery. UCT has developed a proprietary polymeric sorbent that selectively removes chlorophyll without sacrificing the recovery of planar analytes.

UCT

QuEChERS METHOD DEVELOPMENT KIT

CANNABIS FOOD MADE IN USA