



QuEChERS Extraction and Clean-Up of Pesticides from Olive Oil

UCT Part Number:

CUMPS2CT (150 mg anhydrous MgSO_4 & 50 mg PSA)

April 2009

1. Sample Extraction

- a) In a suitable vial, add 1.5 mL of olive oil
- b) Add 1.5 mL of hexane
- c) Add 6 mL of acetonitrile
- d) Shake for 30 minutes
- e) Allow layers to phase separate for 20 minutes
- f) Collect acetonitrile layer (top layer)
- g) Repeat steps c) through f) and combine acetonitrile layers

2. Sample Clean-up

- a) Add 1 ml of combined acetonitrile to CUMPS2CT
- b) Shake for 2 minutes by hand
- c) Centrifuge at 3000 rpm for 2 minutes
- d) Remove solvent layer
- e) Analyze by HPLC using MS detection