

QuEChERS Procedure for Pesticides In Rice



UCT Part Numbers

ECQUEU750CT-MP

50 mL centrifuge tube + Mylar pouch containing 4g MgSO_4 , 1g NaCl , 1 g sodium citrate tribasic dehydrate and 0.5 g sodium citrate dibasic sesquihydrate

CUMPSC18CT

2 mL dSPE tube with 150 mg MgSO_4 , 50 mg PSA and 50 mg endcapped C18

Procedure:

1. Sample Extraction

- Weigh 5 g of rice sample into a 50 mL centrifuge tube.
- Add 10 mL of deionized water, vortex and allow sample to hydrate for 15-30 minutes (improves extraction efficiency).
- Add 10 mL acetonitrile.
- Add the contents of the Mylar pouch (**ECQUEU750CT-MP**) and shake immediately for at least 1 minute (by hand or mechanically).
- Centrifuge the samples at ≥ 3000 rpm for 5 min.

2. Sample Clean-up

- Transfer 1ml of the acetonitrile supernatant to a 2 mL dSPE tube (**CUMPSC18CT**).
- Vortex for 30 seconds.
- Centrifuge at ≥ 3000 rpm for 5 min.
- Transfer 500-600 μL of purified supernatant into an autosampler vial for analysis (filter if desired).



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