

QuEChERS SPE Tubes

- Fast, simple sample cleanup.
- Fourfold increases in sample throughput.
- Fourfold decreases in material cost.
- Convenient, ready to use centrifuge tubes with ultra pure, preweighed adsorbent mixes.

Quick, Easy, Cheap, Effective, Rugged, and Safe, the QuEChERS (“catchers”) method, developed by the USDA Eastern Regional Research Center¹, has become very popular for extraction and clean-up of pesticide residue samples. Our products are available in two dispersant-centrifuge tube sizes to meet the needs of a wide variety of sample matrices.

AOAC Method 2007.1	Benefits/Uses	qty.	cat#
2mL QuEChERS SPE Micro-Centrifuge Tube Contains 150mg Magnesium Sulfate and 50mg PSA	Cleanup of agricultural produce extracts, 1mL sample volume.	100-pk.	26124
2mL QuEChERS SPE Micro-Centrifuge Tube Contains 150mg Magnesium Sulfate, 50mg PSA, and 50mg Graphitized Carbon	Cleanup of 1mL sample extract with residual pigments and sterols.	100-pk.	26123
2mL QuEChERS SPE Micro-Centrifuge Tube Contains 150mg Magnesium Sulfate, 50mg PSA, and 50mg C18	Cleanup of 1mL sample extract with residual fat.	100-pk.	26125
15mL QuEChERS SPE Centrifuge Tube Contains 900mg Magnesium Sulfate, 300mg PSA, and 150mg Graphitized Carbon	Cleanup of 6mL sample extract with residual pigments and sterols.	50-pk.	26126

1. Anastassiades, M., S.J. Lehotay, D. Stajnbaher, F.J. Schenck, "Fast and Easy Multiresidue Method Employing Acetonitrile Extraction/Partitioning and "Dispersive Solid-Phase Extraction" for the Determination of Pesticide Residues in Produce", *J AOAC International*, 2003, vol 86 no 22, pp 412-431.

Reference not available from Restek.



also available

Custom adsorbent mix combinations available upon request.

SAMPLE PREPARATION

Pesticide Residue Cleanup SPE Cartridges

- Convenient, multiple adsorbent beds in a single cartridge.
- For use in multiple-residue pesticide analysis, to remove matrix interferences.

SPE Cartridge	qty.	cat#
6mL Combo SPE Cartridge, Packed with 500mg CarboPrep™ 90/500mg Aminopropyl, Polyethylene Frits	30-pk.	26193
6mL Combo SPE Cartridge, Packed with 500mg CarboPrep™ 90/500mg PSA, Polyethylene Frits	30-pk.	26194
6mL SPE Cartridge, Packed with 500mg PSA, Polyethylene Frits	30-pk.	26195
6mL Combo SPE Cartridge, Packed with 200mg CarboPrep™ 200 and 400mg PSA, Teflon® Frits	30-pk.	26127
6mL Combo SPE Cartridge, Packed with 250mg CarboPrep™ 200 and 500mg PSA, Teflon® Frits	30-pk.	26128
6mL Combo SPE Cartridge, Packed with 500mg CarboPrep™ 200 and 500mg PSA, Teflon® Frits	30-pk.	26129

**did you know?**

Multiple sorbents are used to extract different types of interferences.

MgSO ₄	removes excess water
PSA*	removes sugars, fatty acids, organic acids, and anthocyanine pigments
C18	removes nonpolar interferences
Carbon	removes pigments, sterols, and nonpolar interferences

*PSA—primary and secondary amine exchange material.