

Chromatography

sample preparation



Dispersive SPE, centrifuge tubes and columns, Thermo Scientific HyperSep™, QuEChERS



- Determine greater numbers of pesticides than with standard SPE
- Easy to use
- Available in a number of configurations

QuEChERS products provide a convenient and effective approach for determining pesticide residues in fruit, vegetables and other foods. The QuEChERS method is a two step process: extraction followed by clean up. The extraction step products use magnesium sulfate to aid extraction, along with either sodium chloride, sodium citrate, or anhydrous sodium acetate for "base sensitive" compounds (e.g., folpet or captan). The extraction step products are supplied in a 50mL polypropylene centrifuge tube for convenient extractions. The clean up step products contain PSA (primary/secondary amine) for the removal of organic acids and polar pigments among other compounds.

Dispersive QuEChERS products are available in a number of other configurations including multipacks and mylar pouches, which are not specified here.

Dispersive SPE extraction products (QuEChERS)

Catalogue No	Legacy No	Alt. No	Description	Volume, mL	Pack qty
11831082	-	60105-210	PP Centrifuge tubes with 6g MgSO ₄ , 1.5g sodium acetate	50	250
10269084	-	60105-211	PP Centrifuge tubes with 4g MgSO ₄ , 1g sodium chloride	50	250
11557651	-	60105-212	Centrifuge tubes with 6g anhydrous magnesium sulfate, 1.5g sodium chloride, 1.5g sodium citrate tribasic dihydrate, 750mg sodium citrate dibasic	50	250
11527671	-	60105-216	Centrifuge tubes with 4g anhydrous magnesium sulfate, 1g sodium chloride, 1g sodium citrate tribasic dihydrate, 500mg sodium citrate dibasic	50	250
12693075	-	60105-234	Centrifuge tubes with 1,500mg MgSO ₄ , 500mg C ₁₈	50	250
11564725	-	60105-311	Centrifuge tubes with 4g anhydrous magnesium sulfate, 1g NaCl	50	25
11574725	-	60105-312	Centrifuge tubes with 6g anhydrous magnesium sulfate, 1.5g sodium chloride, 1.5g sodium citrate tribasic dihydrate, 750mg sodium citrate dibasic	50	25
11504735	-	60105-316	Centrifuge tubes with 4g anhydrous magnesium sulfate, 1g sodium chloride, 1g sodium citrate tribasic dihydrate, 500mg sodium citrate dibasic	50	25

Dispersive SPE clean up products (QuEChERS)

Catalogue No	Legacy No	Alt. No	Description	Volume, mL	Pack qty
10249644	-	60105-219	Centrifuge tubes with 150mg MgSO ₄ , 25mg PSA,	2	100
10056604	-	60105-220	Centrifuge tubes with 150mg MgSO ₄ , 25mg PSA and 25mg C ₁₈	2	100
10554475	-	60105-221	Centrifuge tubes with 150mg MgSO ₄ , 25mg PSA and 2.5mg carbon	2	100
10108084	-	60105-222	Centrifuge tubes with 150mg MgSO ₄ , 25mg PSA and 7.5mg carbon	2	100
10769145	-	60105-206	Centrifuge tubes with 900mg MgSO ₄ , 300mg PSA and 150mg C ₁₈	15	50
11851082	-	60105-205	Centrifuge tubes with 900mg MgSO ₄ , 300mg PSA and 150mg carbon	15	50
10289404	-	60105-224	Centrifuge tubes with 1,200mg MgSO ₄ , 400mg PSA	15	50
10702737	-	60105-225	Centrifuge tubes with 1,200mg MgSO ₄ , 400mg PSA and 400mg C ₁₈	15	50
10639685	-	60105-207	Columns with 400mg PSA on bottom, 200mg carbon on top	6	30
10289954	-	60105-208	Columns with 500mg PSA on bottom, 250mg carbon on top	6	30
10127814	-	60105-209	Columns with 500mg PSA on bottom, 500mg carbon on top	6	30

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