

QuEChERS Products

Multi-residue pesticide analysis from food and other matrices.

Restek Q-sep™ QuEChERS Products

Fast, Simple Sample Prep for Multi-Residue Pesticide Analysis

- Ready-to-use tubes, no glassware required.
- Prewighed, ultra-pure sorbents.
- Support AOAC (2007.01) and European (EN 15662) QuEChERS methods.



QuEChERS methods are fast, easy, and cost-effective, and Restek Q-sep™ products make QuEChERS procedures even simpler. All extraction salts, sorbents and sample tubes are included—no specialized equipment or glassware is required. Prepare samples more efficiently with a complete line of QuEChERS supplies from Restek.

Prepare samples more quickly, easily, and cost-effectively with QuEChERS.

	Mini-Luke or Modified Luke Method	QuEChERS	Savings with QuEChERS
Estimated time to process 6 samples (min.)	120	30	4x faster
Solvent used (mL)	60-90	10	6-9x less solvent
Chlorinated waste (mL)	20-30	0	Safer, cheaper, greener
Glassware/specialized equipment	capacity for 200mL, quartz wool, funnel, water bath or evaporator	none	Ready-to-use

free literature

Visit www.restek.com/quenchers for new products & detailed technical information, including the literature listed here.



Developing New Methods for Pesticides in Dietary Supplements: Advantages of the QuEChERS Approach

lit. cat.# PHAN1242

QuEChERS Products: Fast, Simple Sample Prep for Multi-Residue Pesticide Analysis

lit. cat.# FFFL1183A



Fast Screening of Recalled Tylenol® for Tribromoanisole and Related Adulterants Using QuEChERS and GC-TOFMS

lit. cat.# GNAN1263

Fast, Simple QuEChERS Extraction and Cleanup of Pesticide Residue Samples

lit. cat.# GNAN1097A

Q-sep™ QuEChERS Extraction Salts

- Salt packets eliminate the need for a second empty tube to transfer salts.
- Go green by using packets with reusable tubes.
- Convenient and easy to use.



Description	Material	Methods	qty.	cat#
Q110 Kit	4g MgSO ₄ , 1g NaCl, 1g TSCD, 0.5g DHS with 50mL Centrifuge Tube	European EN 15662	50 packets & 50 tubes	26235
Q110 Packets	4g MgSO ₄ , 1g NaCl, 1g TSCD, 0.5g DHS	European EN 15662	50 packets	26236
Q150 Kit	6g MgSO ₄ , 1.5g NaOAc with 50mL Centrifuge Tube	AOAC 2007.01	50 packets & 50 tubes	26237
Q150 Packets	6g MgSO ₄ , 1.5g NaOAc	AOAC 2007.01	50 packets	26238
Empty 50mL Centrifuge Tube, Polypropylene			50-pk.	26239
Empty 50mL Centrifuge Tube, Teflon FEP			2-pk.	23997

TSCD—trisodium citrate dihydrate
 DHS—disodium hydrogen citrate sesquihydrate
 NaOAc—sodium acetate



Q-sep™ QuEChERS dSPE Tubes for Extract Clean-Up

- Fast, Simple Sample Prep for Multi-Residue Pesticide Analysis
- Packaged in mylar subpacks for enhanced protection and storage stability.
 - Individually labeled tubes for easy sorbent identification.

Description	Material	Methods	qty.	cat#
2mL Micro-Centrifuge Tubes for dSPE (clean-up of 1mL extract)				
Q210	150mg MgSO ₄ , 25mg PSA	European EN 15662	100-pk.	26215
Q211	150mg MgSO ₄ , 25mg PSA, 25mg C18		100-pk.	26216
Q212	150mg MgSO ₄ , 25mg PSA, 2.5mg GCB	European EN 15662	100-pk.	26217
Q213	150mg MgSO ₄ , 25mg PSA, 7.5mg GCB	European EN 15662	100-pk.	26218
Q250	150mg MgSO ₄ , 50mg PSA	AOAC 2007.01	100-pk.	26124
Q251	150mg MgSO ₄ , 50mg PSA, 50mg C18	AOAC 2007.01	100-pk.	26125
Q253	150mg MgSO ₄ , 50mg PSA, 50mg GCB		100-pk.	26123
Q252	150mg MgSO ₄ , 50mg PSA, 50mg C18, 50mg GCB	AOAC 2007.01	100-pk.	26219
15mL Centrifuge Tubes for dSPE (clean-up of 6mL extract)				
Q350	1200mg MgSO ₄ , 400mg PSA	AOAC 2007.01	50-pk.	26220
Q351	1200mg MgSO ₄ , 400mg PSA, 400mg C18	AOAC 2007.01	50-pk.	26221
Q352	1200mg MgSO ₄ , 400mg PSA, 400mg C18, 400mg GCB	AOAC 2007.01	50-pk.	26222
Q370	900mg MgSO ₄ , 150mg PSA	European EN 15662	50-pk.	26223
Q371	900mg MgSO ₄ , 150mg PSA, 15mg GCB	European EN 15662	50-pk.	26224
Q372	900mg MgSO ₄ , 150mg PSA, 45mg GCB	European EN 15662	50-pk.	26225
Q373	900mg MgSO ₄ , 150mg PSA, 150mg C18		50-pk.	26226
Q374	900mg MgSO ₄ , 300mg PSA, 150mg GCB		50-pk.	26126

PSA—primary and secondary amine exchange material
 GCB—graphitized carbon black



Sorbent Guide

Sorbent	Removes
PSA	sugars, fatty acids, organic acids, anthocyanine pigments
C18	lipids, nonpolar interferences
GCB	pigments, sterols, nonpolar interferences
PSA	primary and secondary amine exchange material
GCB	graphitized carbon black

Try QuEChERS risk-free today!

Call 800-356-1688 or your Restek representative to request a free sample pack of Q-sep™ QuEChERS tubes. (Sample pack orders cannot be placed on line. Limit one pack per customer.)



Dimensions: 9" h x 14.5" w x 17" d
(22.9 cm x 36.8 cm x 43.2 cm)



26249

Q-sep™ 3000 Centrifuge

for QuEChERS

- Meets requirements of AOAC and European QuEChERS methodology.
- Supports 50 mL, 15 mL, and 2 mL centrifuge tubes.
- Small footprint requires less bench space.
- Safe and reliable—UL, CSA, and CE approved, 1-year warranty.

Priced to fit your laboratory's budget, the Q-sep™ 3000 Centrifuge is the first centrifuge specifically designed for QuEChERS methodology. This compact, quiet, yet powerful, unit spins at the 3,000 g force required by the European method.

Centrifuge includes 50 mL tube carriers (6), 50 mL conical tube inserts (6), 4-place 15 mL tube carriers (6), and 2 mL tube adaptors (24).



Description

Description	qty.	cat.#
Q-sep 3000 Centrifuge, 110V	ea.	26230
Q-sep 3000 Centrifuge, 220V	ea.	26231

Replacement Accessories

50mL Tube Carrier for Q-sep 3000 Centrifuge	2-pk.	26232
50mL Conical Tube Insert for Q-sep 3000 Centrifuge	6-pk.	26249
4-Place Tube Carrier for Q-sep 3000 Centrifuge	2-pk.	26233
2mL Tube Adaptors for Q-sep 3000 Centrifuge	4-pk.	26234










Complete Product Offering
to support **AOAC (2007.01)**
& **European (EN 15662)**
QuEChERS Methods

- Comprehensive portfolio of QuEChERS tubes.
- Method-specific internal and QC standards.
- Rxi®-5Sil MS Capillary column
- Ultra Aqueous C18 LC Column.
- Q-sep™ 3000 Centrifuge

www.restek.com/quechers

Selection Guide for Q-sep™ dSPE Tubes

Commodity types and examples	AOAC 2007.01	EN 15662	Mini-multiresidue	Additional products
 <p>General purpose</p> <ul style="list-style-type: none"> • Celery • Head lettuce • Cucumber • Melon 	<p>Q-sep Q250 2mL, 100-pk. (cat.# 26124)</p> <p>Q-sep Q350 15mL, 50-pk. (cat.# 26220)</p>	<p>Q-sep Q210 2mL, 100-pk. (cat.# 26215)</p> <p>Q-sep Q370 15mL, 50-pk. (cat.# 26223)</p>	<p>Q-sep Q210 2mL, 100-pk. (cat.# 26215)</p>	
 <p>Fatty or waxy fruits & vegetables</p> <ul style="list-style-type: none"> • Cereals • Avocado • Nuts & seeds • Dairy 	<p>Q-sep Q251 2mL, 100-pk. (cat.# 26125)</p> <p>Q-sep Q351 15mL, 50-pk. (cat.# 26221)</p>		<p>Q-sep Q211 2mL, 100-pk. (cat.# 26216)</p>	<p>Q-sep Q373 15mL, 50-pk. (cat.# 26226)</p>
 <p>Pigmented fruits & vegetables</p> <ul style="list-style-type: none"> • Strawberries • Sweet potatoes • Tomatoes 	<p>Q-sep Q352 15mL, 50-pk. (cat.# 26222)</p>	<p>Q-sep Q212 2mL, 100-pk. (cat.# 26217)</p> <p>Q-sep Q371 15mL, 50-pk. (cat.# 26224)</p>	<p>Q-sep Q212 2mL, 100-pk. (cat.# 26217)</p>	<p>Q-sep Q253 2mL, 100-pk. (cat.# 26123)</p>
 <p>Highly pigmented fruits & vegetables</p> <ul style="list-style-type: none"> • Red peppers • Spinach • Blueberries 	<p>Q-sep Q252 2mL, 100-pk. (cat.# 26219)</p>	<p>Q-sep Q213 2mL, 100-pk. (cat.# 26218)</p> <p>Q-sep Q372 15mL, 50-pk. (cat.# 26225)</p>	<p>Q-sep Q213 2mL, 100-pk. (cat.# 26218)</p>	<p>Q-sep Q374 15mL, 50-pk. (cat.# 26126)</p>
<p>Download free instructions at www.restek.com/quenchers</p>	<p>Instruction sheet# 805-01 002</p>	<p>Instruction sheet# 805-01 001</p>	<p>Instruction sheet# 805-01 001</p>	<p>Generic dSPE 805-01 003</p>

