

QuEChERS Kits



If roQ QuEChERS Kits do not perform as well or better than your current QuEChERS product, return the product with comparative data within 45 days for a FULL REFUND.

roQ™

What is roQ?

roQ QuEChERS Kits were designed with the analyst in mind. By incorporating features such as trays to hold centrifuge tubes, easy pour salt packets, and stand alone centrifuge tubes, roQ QuEChERS Kits make the QuEChERS (“Quick, Easy, Cheap, Effective, Rugged, and Safe”) procedure even easier!

Step 1

Select Your roQ Extraction Kit

QuEChERS can be performed by following 3 different methods: the AOAC 2007.01 Method, the EN 15662 Method, or the Original Non-Buffered Method.

Use the chart below to select the most appropriate kits for your work and sample size/type.

Method	Salts Used	Sample Size
AOAC 2007.01	Magnesium Sulfate (MgSO ₄) Induces phase separation between water content in sample and acetonitrile layer	15 g Part No.: KSO-8911 to be used with AOAC 2007.01 dSPE procedure, see page 77 for selection chart.
	Sodium Acetate (NaOAc) Buffers the sample to stabilize pH	
Original Non-Buffered	Magnesium Sulfate (MgSO ₄) Induces phase separation between water content in sample and acetonitrile layer	15 g Part No.: KSO-8912 to be used with AOAC 2007.01 dSPE procedure, see page 77 for selection chart. or
	Sodium Chloride (NaCl) Induces phase separation between water content in sample and acetonitrile layer	10 g Part No.: KSO-8910 to be used with EN 15662 dSPE procedure, see page 77 for selection chart.
EN 15662	Magnesium Sulfate (MgSO ₄) Induces phase separation between water content in sample and acetonitrile layer	10 g Part No.: KSO-8909 to be used with EN 15662 dSPE procedure, see page 77 for selection chart.
	Sodium Chloride (NaCl) Induces phase separation between water content in sample and acetonitrile layer	
	Sodium Citrate Tribasic Dihydrate (SCTD) Buffers the sample to stabilize pH	
	Sodium Citrate Dibasic Sesquihydrate (SCDS) Buffers the sample to stabilize pH	



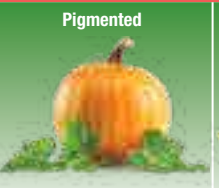




QUENCHERS KITS | roQ | SAMPLE PREPARATION



Step 2

Select Your roQ™ dSPE Kit

		Fruit and Vegetable Type									
		General		Fats and Waxes		Pigmented		Highly Pigmented		Pigments and Fats	
											
Method	Sample Size	Contents	Part No.	Contents	Part No.	Contents	Part No.	Contents	Part No.	Contents	Part No.
AOAC 2007.01	1 mL	150 mg MgSO ₄ 50 mg PSA	KS0-8920	150 mg MgSO ₄ 50 mg PSA 50 mg C18E	KS0-8918	150 mg MgSO ₄ 50 mg PSA 50 mg GCB	KS0-8919	—	—	150 mg MgSO ₄ 50 mg PSA 50 mg GCB 50 mg C18E	KS0-8917
	8 mL	1200 mg MgSO ₄ 400 mg PSA	KS0-8928	1200 mg MgSO ₄ 400 mg PSA 400 mg C18E	KS0-8926	1200 mg MgSO ₄ 400 mg PSA 400 mg GCB	KS0-8927	—	—	1200 mg MgSO ₄ 400 mg PSA 400 mg GCB 400 mg C18E	KS0-8925
EN 15662	1 mL	150 mg MgSO ₄ 25 mg PSA	KS0-8916	150 mg MgSO ₄ 25 mg PSA 25 mg C18E	KS0-8913	150 mg MgSO ₄ 25 mg PSA 2.5 mg GCB	KS0-8914	150 mg MgSO ₄ 25 mg PSA 7.5 mg GCB	KS0-8915	—	—
	6 mL	900 mg MgSO ₄ 150 mg PSA	KS0-8924	900 mg MgSO ₄ 150 mg PSA 150 mg C18E	KS0-8921	900 mg MgSO ₄ 150 mg PSA 15 mg GCB	KS0-8922	900 mg MgSO ₄ 150 mg PSA 45 mg GCB	KS0-8923	—	—

Salts and sorbents used in roQ dSPE kits

Magnesium Sulfate (MgSO₄): Removes excess water from sample

Primary/Secondary Amine (PSA): Removes organic acids, fatty acids, sugars, and anthocyanine pigments from sample

Endcapped C18 Sorbent (C18E): Removes fats, sterols, and other non-polar interferences from sample

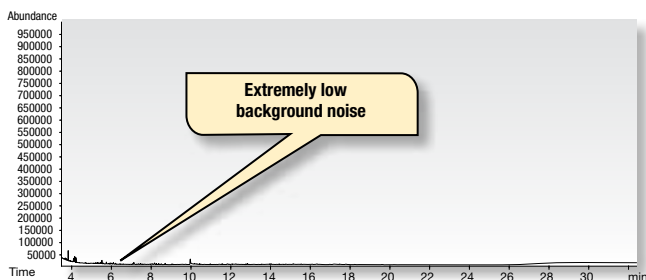
Graphitized Carbon Black (GCB): Removes pigments from sample NOT FOR USE WITH PLANAR PESTICIDES

QuEChERS Kits

roQ™

1. Cleaner Extracts with Leachate Free Tubes

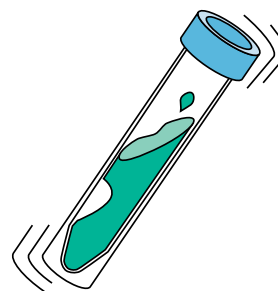
Expect clean extracts every time! We've put our tubes to the test to ensure that they are leachate free.



15 mL centrifuge tubes extracted with 1 % Acetic acid in acetonitrile followed by toluene

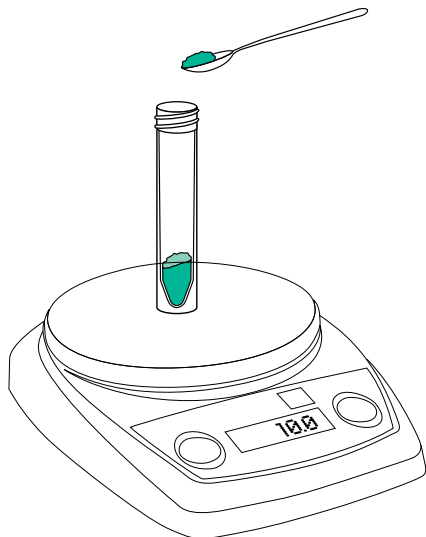
2. No More Leaky Tubes

Never worry about losing sample due to leakage. We interviewed hundreds of customers who stated that leaking tubes are their number one problem when performing QuEChERS. We strived to find the highest quality tubes to prevent this from occurring.



3. Easily Weigh Out Your Samples with Stand Alone Centrifuge Tubes

Sample weighing has never been so easy! roQ centrifuge tubes allow you to add sample to the tube and weigh the sample with ease.



4. No Mess Salt Packets with Easy Pour Spouts

Avoid losing salts due to difficult to handle salt packets. roQ salt packets contain an easy pour spout which fits within the centrifuge tube opening, eliminating spills and messes.



QuEChERS Kits

guarantee

roQ™ Extraction Kits

Extraction kits contain fifty easy-pour salt packets and fifty 50 mL stand-alone centrifuge tubes

Ordering Information

Description	Unit	Part No.	Price
AOAC 2007.01 Method Extraction Kits			
6.0 g MgSO ₄ , 1.5 g NaOAc	50/pk	KSO-8911	
EN 15662 Method Extraction Kits			
4.0 g MgSO ₄ , 1.0 g NaCl, 1.0 g SCTD, 0.5 g SCDS	50/pk	KSO-8909	
Original Non-buffered Method Extraction Kits			
4.0 g MgSO ₄ , 1.0 g NaCl	50/pk	KSO-8910	
6.0 g MgSO ₄ , 1.5 g NaCl	50/pk	KSO-8912	

roQ dSPE Kits

dSPE kits contain pre-weighed sorbents/salts inside 2 mL or 15 mL centrifuge tubes

Ordering Information

Description	Unit	Part No.	Price
2 mL dSPE Kits			
150 mg MgSO ₄ , 25 mg PSA, 25 mg C18E	100/pk	KSO-8913	
150 mg MgSO ₄ , 25 mg PSA, 2.5 mg GCB	100/pk	KSO-8914	
150 mg MgSO ₄ , 25 mg PSA, 7.5 mg GCB	100/pk	KSO-8915	
150 mg MgSO ₄ , 25 mg PSA	100/pk	KSO-8916	
150 mg MgSO ₄ , 50 mg PSA, 50 mg C18E, 50 mg GCB	100/pk	KSO-8917	
150 mg MgSO ₄ , 50 mg PSA, 50 mg C18E	100/pk	KSO-8918	
150 mg MgSO ₄ , 50 mg PSA, 50 mg GCB	100/pk	KSO-8919	
150 mg MgSO ₄ , 50 mg PSA	100/pk	KSO-8920	
15 mL dSPE Kits			
900 mg MgSO ₄ , 150 mg PSA, 150 mg C18E	50/pk	KSO-8921	
900 mg MgSO ₄ , 150 mg PSA, 15 mg GCB	50/pk	KSO-8922	
900 mg MgSO ₄ , 150 mg PSA, 45 mg GCB	50/pk	KSO-8923	
900 mg MgSO ₄ , 150 mg PSA	50/pk	KSO-8924	
1200 mg MgSO ₄ , 400 mg PSA, 400 mg C18E, 400 mg GCB	50/pk	KSO-8925	
1200 mg MgSO ₄ , 400 mg PSA, 400 mg C18E	50/pk	KSO-8926	
1200 mg MgSO ₄ , 400 mg PSA, 400 mg GCB	50/pk	KSO-8927	
1200 mg MgSO ₄ , 400 mg PSA	50/pk	KSO-8928	

roQ Extraction Salt Packets

Salt packets only. Centrifuge tubes not included.

Ordering Information

Description	Unit	Part No.	Price
AOAC 2007.01 Method Extraction Packets			
6.0 g MgSO ₄ , 1.5 g NaOAc	50/pk	AH0-9043	
EN 15662 Method Extraction Packets			
4.0 g MgSO ₄ , 1.0 g NaCl, 1.0 g SCTD, 0.5 g SCDS	50/pk	AH0-9041	
Original Non-Buffered Method Extraction Packets			
4.0 g MgSO ₄ , 1.0 g NaCl	50/pk	AH0-9042	
6.0 g MgSO ₄ , 1.5 g NaCl	50/pk	AH0-9044	

Bulk roQ QuEChERS Sorbents

Ordering Information

Phase	10 g	Price	100 g	Price
C18-E	—	—	04G-4348	
GCB (Graphitized Carbon Black)	04D-4615		04G-4615	
PSA	—	—	04G-4610	

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