

## PHASE 1: Extraction

Adding solvent and salts to a small (10 or 15 g) fruit or vegetable sample enables to extract the pesticides into the organic layer.

### PHASE 1 Extraction KIT - Table 1

#### 50mL Centrifuge Tubes for Sample Extraction

P/N	Description	Qty.	Recommended Application
TR-Q5010	4g MgSO <sub>4</sub> , 1g NaCl, 1g trisodium citrate dihydrate, 0.5g disodium hydrogencitrate sesquihydrate	50	European EN-15662
TR-Q5040	6g MgSO <sub>4</sub> , 1.5g NaOAc	50	AOAC 2007.01
TR-Q5020	4g MgSO <sub>4</sub> , 1g NaCl	50	Mini-Multiresidue (10 g sample)
TR-Q5045	6g MgSO <sub>4</sub> , 1.5g NaCl	50	Mini-Multiresidue (15 g sample)
TR-Q5030	6g MgSO <sub>4</sub> , 1.5g NaCl, 1.5g sodium citrate dibasic, 750mg disodium citrate dibasic sesquihydrate	50	
TR-Q5050	6g MgSO <sub>4</sub> , 1.5g NaOAc, 750mg disodium citrate sesquihydrate	50	
TR-Q5000	Empty 50mL tube	50	



## PHASE 2: Dispersive SPE Clean-up

Select the dispersive SPE kit according to the type of food being analyzed and the method that you want to use. One aliquot (\*) of the sample extract from Phase 1 is added to 2 mL or 15 mL centrifuge tubes (Table 2 or Table 3) containing a small quantity of SPE sorbent and MgSO<sub>4</sub>.

### PHASE 2 Dispersive SPE KIT Clean-Up - Table 2

#### 2 mL Micro-centrifuge tubes

P/N	Description	Qty.	Aliquot (mL) (*)	Recommended Application
TR-Q2015	150mg MgSO <sub>4</sub> , 25mg PSA	100	1	European EN-15662 Mini-Multiresidue
TR-Q2025	150mg MgSO <sub>4</sub> , 25mg PSA, 25mg C18	100	1	European EN-15662 Mini-Multiresidue
TR-Q2035	150mg MgSO <sub>4</sub> , 25mg PSA, 2.5mg GCB	100	1	European EN-15662 Mini-Multiresidue
TR-Q2045	150mg MgSO <sub>4</sub> , 25mg PSA, 7.5mg GCB	100	1	European EN-15662 Mini-Multiresidue
TR-Q2055	150mg MgSO <sub>4</sub> , 50mg PSA	100	1	AOAC 2007.01
TR-Q2065	150mg MgSO <sub>4</sub> , 50mg PSA, 50mg C18	100	1	AOAC 2007.01
TR-Q2075	150mg MgSO <sub>4</sub> , 50mg PSA, 50mg GCB	100	1	AOAC 2007.01
TR-Q2085	150mg MgSO <sub>4</sub> , 50mg PSA, 50mg C18, 50mg GCB	100	1	AOAC 2007.01
TR-Q2090	150mg MgSO <sub>4</sub> , 25mg C18	100	1	AOAC 2007.01
TR-Q2000	Empty 2mL Centrifuge Tube	100	1	



## 15 mL Centrifuge tubes - Table 3





P/N	Description	Qty.	Aliquot (mL) (*)	Recommended Application
TR-Q1590	900mg MgSO <sub>4</sub> , 150mg PSA	50	6	European EN-15662
TR-Q1593	900mg MgSO <sub>4</sub> , 150mg PSA, 150mg C18	50	6	European EN-15662
TR-Q1591	900mg MgSO <sub>4</sub> , 150mg PSA, 15mg GCB	50	6	European EN-15662
TR-Q1592	900mg MgSO <sub>4</sub> , 150mg PSA, 45mg GCB	50	6	European EN-15662
TR-Q1510	1200mg MgSO <sub>4</sub> , 400mg PSA	50	8	AOAC 2007.01
TR-Q1515	1200mg MgSO <sub>4</sub> , 400mg PSA, 400mg C18	50	8	AOAC 2007.01
TR-Q1516	1200mg MgSO <sub>4</sub> , 400mg PSA, 400mg GCB	50	8	AOAC 2007.01
TR-Q1520	1200mg MgSO <sub>4</sub> , 400mg PSA, 400mg C18, 400mg GCB	50	8	AOAC 2007.01
TR-Q1596	900mg MgSO <sub>4</sub> , 150mg C18	50	6	AOAC 2007.01
TR-Q1594	900mg MgSO <sub>4</sub> , 300mg PSA, 150mg GCB	50	6	---
TR-Q1595	900mg MgSO <sub>4</sub> , 300mg PSA, 150mg C18	50	6	---
TR-Q1600	750mg MgSO <sub>4</sub> , 250mg PSA, 250mg C18, 250 mg GCB	50	6	---

PSA= Primary and secondary exchange material

GCB= Graphitized carbon blank



## Selection Guide for Dispersive Kits. Phase 2




Types	Qt Pack	Methods			
		EN 15662	AOAC 2007.1	Mini Multiresidue	Others
<b>General Fruits and Vegetables:</b>					
Removes polar organic acids, some sugars and lipids					
	100 tubes 2 mL	25 mg PSA 150 mg MgSO <sub>4</sub>  Part N° TR-Q2015	50 mg PSA 150 mg MgSO <sub>4</sub>  Part No. TR-Q2055	25 mg PSA 150 mg MgSO <sub>4</sub>  Part No. TR-Q2015	
	50 tubes 15 mL	150 mg PSA 900 mg MgSO <sub>4</sub>  Part No. TR-Q1590	400 mg PSA 1200 mg MgSO <sub>4</sub>  Part No. TR-Q1510		
<b>Fruits and Vegetables with Fats and Waxes:</b>					
Removes polar organic acids, some sugars, more lipids and sterols					
	100 tubes 2 mL	25 mg PSA 25 mg C18 150 mg MgSO <sub>4</sub>  Part No. TR-Q2025	50 mg PSA 50 mg C18 150 mg MgSO <sub>4</sub>  Part No. TR-Q2065	25 mg PSA 25 mg C18 150 mg MgSO <sub>4</sub>  Part No. TR-Q2025	
	50 tubes 15 mL	150 mg PSA 150 mg C18 900 mg MgSO <sub>4</sub>  Part No. TR-Q1593	400 mg PSA 400 mg C18 1200 mg MgSO <sub>4</sub>  Part No. TR-Q1515		150 mg PSA 150 mg C18 900 mg MgSO <sub>4</sub> TR-Q1593

## Selection Guide for Dispersive Kits. Phase 2

### Pigmented Fruits and Vegetables:

Removes polar organic acids, some sugars and lipids, and carotinoides and chlorophyll; not for use with planar pesticides

#### Methods

Types	Qt Pack	EN 15662	AOAC 2007.1	Mini Multiresidue	Others
	100 tubes 2 mL	25 mg PSA 2.5 mg GCB 150 mg MgSO4  Part No. TR-Q2035	50 mg PSA 50 mg GCB 150 mg MgSO4  Part No. TR-Q2075	25 mg PSA 2,5 mg GCB 150 mg MgSO4  Part No. TR-Q2035	50 mg PSA 50 mg GCB 150 mg MgSO4 TR-Q2075
	50 tubes 15 mL	150 mg PSA 400 mg GCB 900 mg MgSO4  Part No. TR-Q1591	400 mg PSA 400 mg C18 1200 mg MgSO4  Part No. TR-Q1516		
	50 tubes 15 mL	150 mg PSA 45 mg GCB 900 mg MgSO4  Part No. TR-Q1592			300 mg PSA 150 mg GCB 900 mg MgSO4 TR-Q1594

### Fruits and Vegetables with Pigments and Fats:

Removes polar organic acids, some sugars and lipids, plus carotinoides and chlorophyll; not for use with planar pesticides

	100 tubes 2 mL		50 mg PSA 50 mg C18 50 mg GCB 150 Mg MgSO4  Part No. TR-Q2085	25 mg PSA 7,5 mg GCB 150 mg MgSO4  Part No. TR-Q2045	
	50 tubes 15 mL		400 mg PSA 400 mg C18 400 mg GCB 1200 Mg MgSO4  Part No. TR-Q1520		

