



55442-U Supelco

Supel™ QuE Verde

Tube, centrifuge tube volume 15 mL, pack of 50 ea

Synonym: QuEChERS, Supel™ QuE



FDS

Conditionnement - SKUDisponibilité		Prix (EUR)	Quantité
55442-U	Disponible pour expédition le 30.08.18 - A PARTIR DE	174.00	0

Commandes Bulk?

AJOUTER AU PANIER

Propriétés

Related Categories	Analytical/Chromatography, Sample Preparation & Purification, Solid Phase Extraction (SPE), Supel QuE (QuEChERS) Products, Supel QuE Verde for Challenging Compounds in Green Matrices Plus...
composition	magnesium sulfate, 1200 mg
	Supelclean™ ENVI-Carb™ Y, 80 mg
	Supelclean™ PSA, 400 mg
	Z-Sep+, 480 mg
packaging	pack of 50 ea
centrifuge tube volume	15 mL

Description

General description
Dispersive SPE (dSPE), often referred to as the "QuEChERS" method (Quick, Easy, Cheap, Effective, Rugged, and Safe), is modern sample prep technique that is becoming increasingly popular in the area of multi-residue pesticide analysis in food and agricultural products.

Using the QuEChERS method, food/agricultural samples are first extracted with an aqueous miscible solvent (e.g., acetonitrile) in the presence of high amounts of salts (e.g., sodium chloride and magnesium sulfate) and/or buffering agents (e.g. citrate) to induce liquid phase separation and stabilize acid and base labile pesticides, respectively. Upon shaking and centrifugation, an aliquot of the organic phase is subjected to further cleanup using SPE. Unlike traditional methods using SPE tubes, in dispersive SPE, cleanup is facilitated by mixing bulk amounts of SPE (e.g., Supelclean PSA, ENVI-Carb, and/or Discovery DSC-18) with the extract. After sample cleanup, the mixture is centrifuged and the resulting supernatant can either be analyzed directly or can be subjected to minor further treatment before analysis.

Supelco carries a line of vials and centrifuge tubes containing pre-determined amounts of salts and SPE sorbents to support the most common method configurations used today.

Suitability
Designed to provide high recovery all pesticides, including problematic planar pesticides, in samples containing high levels of chlorophyll (e.g. cannabis, spinach, lettuce, oregano, etc.). Ideal for cleanup of extract after initial food extraction and phase partitioning.

Legal Information
Supel is a trademark of Sigma-Aldrich Co. LLC

Informations Sécurité

Symbol	 GHS08
Signal word	Warning
Hazard statements	H351
Precautionary statements	P280
RIDADR	NONH for all modes of transport
WGK Germany	nwg

Documents

Certificat d'Analyse

Entrez le Lot N°

Devis/ Commande de produits Bulk

FDS

Exceptional Recoveries of Planar Pesticides From Spinach and Fresh Oregano (940 KB)

Improved Recoveries for GC/MS/MS Analysis of Pesticide Residues in Cannabis (941 KB)

Customers Also Viewed



55447-U
Supel™ QuE
Verde Tube, centrifuge tube
volume 2 mL, pack of 100 ea

55279-U
**50 mL QuEChERS
Extraction Tube Shaker
Rack**
50 mL QuEChERS Extraction
Tube Shaker Rack

55289-U
Supel™ QuE
PSA/C18/ENVI-Carb Tube,
pack of 100, suitable for
2007.01 per AOAC



55299-U
Supel™ QuE
Z-Sep+ Bulk



55296-U
Supel™ QuE
Z-Sep+ Tube, centrifuge tube
volume 12 mL, pack of 50 ea

Recently Viewed

55439-U
Supel™ QuE
PSA/C18 Tube (Shaker
Compatible), pk of 50,
suitable for EN
15662:2008 per BS,
centrifuge tube volume
15 mL , Shaker

55438-U
**QuEChERS Shaker and
Rack Starter Kit**
AC input 230 V, Schuko plug

55437-U
Supel™ QuE
PSA Tube, pack of 50 ea,
suitable for EN 15662:2008
per BS, centrifuge tube
volume 15 mL , Shaker
Compatible



55418-U
Supel™ QuE
Z-Sep Bulk



55414-U
Supel™ QuE
Z-Sep+ with MgSO₄ Tube,
centrifuge tube volume 2 mL,
pack of 100 ea

Protocoles et articles

Articles

[Analysis of Pesticide Residues in Cannabis Using QuEChERS Extraction and Cleanup Followed by GC/MS/MS Analysis](#)
Cannabis (marijuana) has been legalized for recreational and/or medical use by 23 states, the District of Columbia, and the territory of Guam. Thus, regulations regarding its production have become a...
Kathy Stenerson, and Michael Halpenny
Reporter US Volume 34.1
Keywords: Capillary electrophoresis, Fungicides, Gas chromatography, Insecticides, Mass spectrometry, Pesticides, Sample preparations

[Comparison of QuEChERS Products for the Extraction of Planar Pesticides from Spinach](#)
Hexachlorobenzene and chlorothalonil are pesticides with planar structures that are commonly used during the cultivation of spinach and other leafy, green crops. The presence of large pigment molecu...
Michael Ye, Jennifer Claus
Reporter US Volume 34.3
Keywords: Adsorption, Gas chromatography, High performance liquid chromatography, Mass selective detector, Mass spectrometry, Pesticides

[Extraction of Planar Pesticides from Spinach and Fresh Oregano Using QuEChERS Methodology With a Novel Carbon Adsorbent](#)
Although vital to plant life, the presence of chlorophyll in GC/MS analysis is highly problematic. Chlorophyll, a pigment of high molecular weight, is known to quickly cause fouling of injection line...
Michael Ye, and Jennifer Claus
Reporter US Volume 34.2
Keywords: Gas chromatography, Mass spectrometry, Pesticides

Related Content

[SPE Cartridges \(Tubes\) - Phase Selection Guide](#)
The SPE Tube Configuraton Guide will help you choose the appropriate bed weight and cartridge dimensions.
Keywords: Agriculture, Calorimetry, Environmental, Fractionation, High performance liquid chromatography, Liquid chromatography mass spectrometry, Mass spectrometry, Pesticides, Pharmaceutical, Solid phase extractions

Documentation référencée

[Avez-vous utilisé ce produit dans vos Protocoles et articles? Si oui, cliquez ici.](#)

Produits associés



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