



57348-U Supelco

SPME fiber assembly Divinylbenzene/Carboxen/Polydimethylsiloxane (DVB/CAR/PDMS)

needle size 24 ga, StableFlex, for use with manual holder/autosampler

Synonym: StableFlex™ 2CM SPME FIBER PK3,50/30UM DVB/CARBOXEN-PDMS



FDS

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Conditionnement - SKU	Disponibilité	Prix (EUR)	Quantité
57348-U	Disponible pour expédition le 20.08.18 - A PARTIR DE	408.00	0

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Propriétés

Related Categories	Analytical/Chromatography, Divinylbenzene/Carboxen/Polydimethylsiloxane (DVB/CAR/PDMS) fibers, SPME Fiber Assemblies, SPME Fibers and Holders, Sample Preparation & Purification, Plus...
material	StableFlex fiber
	gray hub notched
needle size	24 ga
packaging	pk of 3
d _f	50/30 µm
fiber L	2 cm
matrix active group	Divinylbenzene/Carboxen/Polydimethylsiloxane (DVB/CAR/PDMS) coating
	montrer plus (10)

Description

Application

Odor Compounds

Footnote

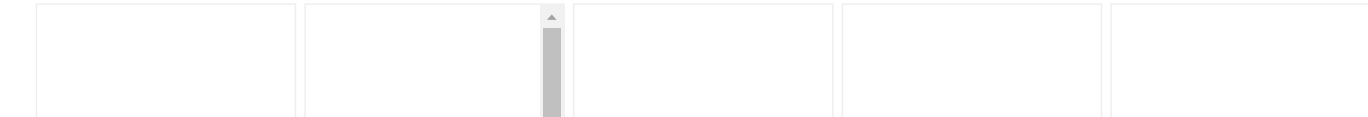
Coating bonded to a flexible fused silica core, yielding a more suitable coating on a less breakable fiber. There may be a slight difference in extraction selectivity compared to the same coating on a standard fused silica core. 2cm fiber assembly contains no spring.

Legal Information

StableFlex is a trademark of Sigma-Aldrich Co. LLC

Informations Sécurité

Aucune information relative à la sécurité de ce produit est actuellement disponible.



57328-U SPME fiber assembly Divinylbenzene/Carboxen/Polydimethylsiloxane (DVB/CAR/PDMS) needle size 24 ga, for use with manual holder	57299-U SPME fiber assembly Divinylbenzene/Carboxen/Polydimethylsiloxane (DVB/CAR/PDMS) needle size 23 ga, StableFlex, for use with manual holder/autosampler, fiber L	57329-U SPME fiber assembly Divinylbenzene/Carboxen/Polydimethylsiloxane (DVB/CAR/PDMS) needle size 24 ga, StableFlex, for use with autosampler	57914-U SPME fiber assembly Divinylbenzene/Carboxen/Polydimethylsiloxane (DVB/CAR/PDMS) for use with autosampler, needle size 23 ga, metal alloy fiber, fiber L 2 cm	57298-U SPME fiber assembly Divinylbenzene/Carboxen/Polydimethylsiloxane (DVB/CAR/PDMS) needle size 23 ga, StableFlex, for use with autosampler
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54221-U Empty polypropylene SPE Tube with PE frits, 20 µm porosity volume 3 mL, pre-fritted, pk of 100	57293-U SPME Fiber Assembly Polydimethylsiloxane/Divinylbenzene (PDMS/DVB) d _f coating thickness 65 µm, needle size 23 ga, PDMS/DVB StableFlex, for use with autosampler	57057 Supelclean™ LC-Florisil® SPE Tube bed wt. 1 g, volume 6 mL, pkg of 30 ea	504327 PTFE Frit, 20 µm porosity for use with 6mL glass SPE tubes, pk of 60	57341-U SPME fiber assembly Polydimethylsiloxane (PDMS) d _f 100 µm (nonbonded phase, for use with autosampler, needle size 23 ga
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Protocoles et articles

Articles

- [Analysis of Tetrahydrocannabinol \(THC\) and Carboxytetrahydrocannabinol \(THCCOOH\) in Surface Waters by SPME and GC/MS](#)

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Katherine K. Stenerson
Reporter US Volume 34.1
Keywords: Derivatizations, Environmental, Gas chromatography, Mass selective detector, Mass spectrometry, Metabolites, Sample preparations, Silylations, Solid phase extractions, Solid phase microextractions, Solvents
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Keywords: Chromatography, Derivatizations, Environmental, Gas chromatography, Metabolites, Sample preparations, Separation, Solid phase microextractions
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Keywords: Agriculture, Chromatography, Gas chromatography, Mass spectrometry, Purification, Separation, Solid phase microextractions

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Keywords: Solid phase microextractions

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Solid phase microextraction coupled with comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry for high-resolution metabolite profiling in apples: implementation of structured separations for optimization of sample preparation procedure in complex samples.

Sanja Risticic et. al

Journal of chromatography. A, 1251, undefined (2012-7-10)

Metabolomics currently represents one of the fastest growing high-throughput molecular analysis platforms that refer to the simultaneous and unbiased analysis of metabolite pools constituting a particular biological system under investigation. In res...[Read More](#)

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[Binding of volatile aroma compounds to can linings with different polymeric characteristics.](#)

Xiaorong You and Sean F O'Keefe

Food science & nutrition, 6(1), undefined (2018-2-2)

Flavor compounds have been shown to interact with packaging materials either by scalping, the movement of flavorings from the food product to the package, or by flavor release, movement of flavorings from the package to the food. Work has elucidated ...[Read More](#)

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[Simultaneous analysis of 10 trihalomethanes at nanogram per liter levels in water using solid-phase microextraction and gas chromatography mass-spectrometry.](#)

Sebastien Allard et. al

Journal of chromatography. A, 1238, undefined (2012-4-13)

Trihalomethanes are predominantly formed during disinfection of water via reactions of the oxidant with natural organic matter. Even though chlorinated and brominated trihalomethanes are the most widespread organic contaminants in drinking water, whe...[Read More](#)

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[Performance evaluation of non-targeted peak-based cross-sample analysis for comprehensive two-dimensional gas chromatography-mass spectrometry data and application to processed hazelnut profiling.](#)

Johannes Kiefl et. al

Journal of chromatography. A, 1243, undefined (2012-5-11)

The continuous interest in non-targeted profiling induced the development of tools for automated cross-sample analysis. Such tools were found to be selective or not comprehensive thus delivering a biased view on the qualitative/quantitative peak dist...[Read More](#)

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[Exploring the human urine metabolomic potentialities by comprehensive two-dimensional gas chromatography coupled to time of flight mass spectrometry.](#)

Silvia M Rocha et. al

Journal of chromatography. A, 1252, undefined (2012-7-11)

Metabolomics represents an emerging issue that can aid in the diagnosis and/or prognosis of different diseases. Metabolomic study of urine is particularly interesting as it can be on the base of the developing of new faster and non-invasive methodolo...[Read More](#)

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[Headspace solid-phase microextraction combined with comprehensive two-dimensional gas chromatography time-of-flight mass spectrometry for the determination of volatile compounds from marine salt.](#)

Isabel Silva et. al

Journal of chromatography. A, 1217(34), undefined (2010-7-17)

In this work, a methodology to characterise the volatile and semi-volatile compounds from marine salt by headspace solid-phase microextraction (HS-SPME) and comprehensive two-dimensional gas chromatography time-of-flight mass spectrometry (GCxGC/TOFM...[Read More](#)

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[Allergic asthma exhaled breath metabolome: a challenge for comprehensive two-dimensional gas chromatography.](#)

M Caldeira et. al

Journal of chromatography. A, 1254, undefined (2012-7-28)

Allergic asthma represents an important public health issue, most common in the paediatric population, characterized by airway inflammation that may lead to changes in volatiles secreted via the lungs. Thus, exhaled breath has potential to be a matri...[Read More](#)

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[Determination of volatile organic compounds in water by headspace solid-phase microextraction gas chromatography coupled to tandem mass spectrometry with triple quadrupole analyzer.](#)

M I Cervera et. al

Analytica chimica acta, 704(1-2), undefined (2011-9-13)

In the present work, a rapid method with little sample handling has been developed for determination of 23 selected volatile organic compounds in environmental and wastewater samples. The method is based on headspace solid-phase microextraction (SPME)...[Read More](#)

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[Pressurised hot water extraction followed by headspace solid-phase microextraction and gas chromatography-tandem mass spectrometry for the determination of N-nitrosamines in sewage sludge.](#)

Anna Llop et. al

Talanta, 88, undefined (2012-1-24)

A method for the quantitative determination of the nine EPA N-nitrosamines in sewage sludge was developed by using pressurised hot water extraction (PHWE) followed by headspace solid-phase microextraction (HS-SPME) and gas chromatography coupled to c...[Read More](#)

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[Simultaneous sampling and analysis of indoor air infested with Cimex lectularius L. \(Hemiptera: Cimicidae\) by solid phase microextraction, thin film microextraction and needle trap device.](#)

In-Yong Eom et. al

Analytica chimica acta, 716, undefined (2012-1-31)

Air in a room infested by Cimex lectularius L. (Hemiptera: Cimicidae) was sampled simultaneously by three different sampling devices including solid phase microextraction (SPME) fiber coatings, thin film microextraction (TFME) devices, and needle tra...[Read More](#)

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[Effectiveness of high-throughput miniaturized sorbent- and solid phase microextraction techniques combined with gas chromatography-mass spectrometry analysis for a rapid screening of volatile and semi-volatile composition of wines--a comparative study.](#)

Berta Mendes et. al

Talanta, 88, undefined (2012-1-24)

In this study the feasibility of different extraction procedures was evaluated in order to test their potential for the extraction of the volatile (VOCs) and semi-volatile constituents (SVOCs) from wines. In this sense, and before they could be analy...[Read More](#)

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[Development of a method to determine essential oil residues in cow milk.](#)

A Hallier et. al

Journal of dairy science, 96(3), undefined (2013-1-15)

Over the past few years, the use of essential oils in breeding has been gaining ground because of their wide range of application, especially in terms of antimicrobial activity, and the current emphasis on the use of natural compounds, particularly t...[Read More](#)

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[Full evaporation dynamic headspace and gas chromatography-mass spectrometry for uniform enrichment of odor compounds in aqueous samples.](#)

Nobuo Ochiai et. al

Journal of chromatography. A, 1240, undefined (2012-5-1)

A method for analysis of a wide range of odor compounds in aqueous samples at sub-ng mL⁻¹ to µg mL⁻¹ levels was developed by full evaporation dynamic headspace (FEDHS) and gas chromatography-mass spectrometry (GC-MS). Compared to conventional DHS and...[Read More](#)

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[Analysis of volatiles from stored wheat and Rhizopertha dominica \(F.\) with solid phase microextraction-gas chromatography mass spectrometry.](#)

Yonghao Niu et. al

Journal of the science of food and agriculture, 96(5), undefined (2015-5-29)

Volatile organic compounds (VOCs) contribute significantly to food flavour and can be used as indicators of quality, age of storage, and hygiene condition of stored products. The VOCs in the headspace of three different samples - healthy wheat, Rhizo...[Read More](#)

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[Solid-phase microextraction \(SPME\) analysis of six Italian populations of Ephedra nebrodensis Tineo ex Guss. subsp. nebrodensis.](#)

Filippo Maggi et. al

Chemistry & biodiversity, 8(1), undefined (2011-1-25)

Headspace solid-phase microextraction (HS-SPME) coupled with GC/FID and GC/MS was applied for the first time in the analysis of the volatile fraction of an Ephedra species. Notably, six Italian populations (Marche, Abruzzo, and Sardinia) of Ephedra n...[Read More](#)
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