



57310-U Supelco

SPME Fiber Assembly Polydimethylsiloxane/Divinylbenzene (PDMS/DVB)

df 65 µm, needle size 24 ga, for use with manual holder

Synonym: SPME FIBER PK3(MANUAL),W/65UM PS-DVB COATING



FDS

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df 65 µm, needle size 24 ga, StableFlex, for use with manual holder

57346U

SPME Fiber Assembly Polydimethylsiloxane/Divinylbenzene (PDMS/DVB)

fused silica fiber, df 65 µm, for use with manual holder, needle size 23 ga

57311

SPME Fiber Assembly Polydimethylsiloxane/Divinylbenzene (PDMS/DVB)

df 65 µm, needle size 24 ga, for use with autosampler

Properties

Related Categories	Analytical/Chromatography, Polydimethylsiloxane/Divinylbenzene (PDMS/DVB) fibers, SPME Fiber Assemblies, SPME Fibers and Holders, Sample Preparation & Purification, Plus...
material	blue hub plain
	fused silica fiber
needle size	24 ga
packaging	pkg of 3 ea
df	65 µm
fiber L	1 cm
matrix active group	Polydimethylsiloxane/Divinylbenzene (PDMS/DVB) coating
	montrer plus (10)

Description

Application
Volatiles, Amines, and Nitroaromatic Compounds

Safety Information

Safety Information for this product is unavailable at this time.


Documents

Certificat d'Analyse


Enter Lot No.

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57317
SPME Fiber Assembly Polydimethylsiloxane/Divinylbenzene (PDMS/DVB)
df 60 µm, for use with autosampler/HPLC, needle size 24 ga, StableFlex fiber




57300U
SPME fiber assembly Polydimethylsiloxane (PDMS)
df 100 µm, needle size 24 ga, for use with manual holder



57330U
SPME Fiber Holder
for use with manual sampling




57328U
SPME fiber assembly Divinylbenzene/Carboxen/Polydimethylsiloxane (DVB/CAR/PDMS)
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SPME fiber assembly Carboxen/Polydimethylsiloxane (CAR/PDMS)
df 75 µm, for use with manual holder, needle size 24 ga


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volume 2 mL, clear glass vial (with graduated marking spot),



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27138
Vials, screw top with solid green Thermoset cap with PTFE liner, preassembled, pkg of 100
volume 4 mL, clear glass vial, O.D. x H 15 mm x



29010U
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Reporter EU Volume 25
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[Measurement of trihalomethanes in potable and recreational waters using solid phase micro extraction with gas chromatography-mass spectrometry.](#)

M A Stack et. al

Chemosphere, 41(11), undefined (2000-11-1)

Solid phase micro extraction (SPME) was applied to the determination of selected trihalomethanes (THMs), chloroform, bromodichloromethane, dibromochloromethane, bromoform, in potable and recreational waters. The selected samples were environmentally ...[Read More](#)

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[Prediction of sensory properties of Brazilian Arabica roasted coffees by headspace solid phase microextraction-gas chromatography and partial least squares.](#)

J S Ribeiro et. al

Analytica chimica acta, 634(2), undefined (2009-2-3)

Volatile compounds in fifty-eight Arabica roasted coffee samples from Brazil were analyzed by SPME-GC-FID and SPME-GC-MS, and the results were compared with those from sensory evaluation. The main purpose was to investigate the relationships between ...[Read More](#)

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[2-Methyl-3-furanthiol and methional are possible off-flavors in stored orange juice: aroma-similarity, NIF/SNIF GC-O, and GC analyses.](#)

Y Bezman et. al

Journal of agricultural and food chemistry, 49(11), undefined (2001-11-21)

The occurrence of methional in fresh orange juice, and possible occurrence of beta-damascenone in heated orange juice, has been previously suggested. Here we report on the occurrence of 2-methyl-3-furanthiol in the headspace, collected by solid-phase...[Read More](#)

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[Development of a novel ultrasound-assisted surfactant-enhanced emulsification microextraction method and its application to the analysis of eleven polycyclic aromatic hydrocarbons at trace levels in water.](#)

Jing Cheng et. al

Journal of chromatography. A, 1218(18), undefined (2011-3-23)

A novel ultrasound-assisted surfactant-enhanced emulsification microextraction (UASEME) technique has been proposed by using low-density extraction solvents. In the proposed technique, Tween 80 and cyclohexane were injected into 5-mL glass test tubes...[Read More](#)

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[A solid-phase microextraction-gas chromatographic approach combined with triple quadrupole mass spectrometry for the assay of carbamate pesticides in water samples.](#)

Brunella Cavaliere et. al

Journal of chromatography. A, 1257, undefined (2012-8-22)

A simple and sensitive method was developed for the quantification of five carbamate pesticides in water samples using solid phase microextraction (SPME) combined with gas chromatography-triple quadrupole mass spectrometry (GC-QqQ-MS). The performanc...[Read More](#)

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[Influence of vine training and sunlight exposure on the 3-alkyl-2-methoxypyrazines content in musts and wines from the Vitis vinifera variety cabernet sauvignon.](#)

Cristina Sala et. al

Journal of agricultural and food chemistry, 52(11), undefined (2004-5-27)

The influence of vine training and sunlight exposure on the 3-alkyl-2-methoxypyrazines contents in musts and wines was studied by means of two previously reported methods based on headspace solid-phase micro-extraction. Experimental samples were moni...[Read More](#)

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[Dynamic headspace solid-phase microextraction combined with one-dimensional gas chromatography-mass spectrometry as a powerful tool to differentiate banana cultivars based on their volatile metabolite profile.](#)

Marisela Pontes et. al

Food chemistry, 134(4), undefined (2013-2-28)

In this study the effect of the cultivar on the volatile profile of five different banana varieties was evaluated and determined by dynamic headspace solid-phase microextraction (dHS-SPME) combined with one-dimensional gas chromatography-mass spectro...[Read More](#)

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[\[Preparation of a novel activated carbon coating fiber for solid phase micro-extraction and its application for halocarbon compound analysis in water\].](#)

Shutao Wang et. al

Se pu = Chinese journal of chromatography, 22(5), undefined (2005-2-15)

A novel activated carbon coating fiber used for solid phase micro-extraction (SPME) was prepared using activated carbon powder and silica resin adhesive. The extraction properties of the novel activated carbon coating fiber were investigated. The res...[Read More](#)

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[The scent of Mycobacterium tuberculosis.](#)

Mona Syhre and Stephen T Chambers

Tuberculosis (Edinburgh, Scotland), 88(4), undefined (2008-2-26)

Worldwide, tuberculosis (TB) kills nearly 2 million people annually, yet rapid diagnosis still relies on a 100-year-old method of sputum staining for acid-fast bacilli. The advent of solid phase micro-extraction and gas chromatography/mass spectromet...[Read More](#)

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[Design of experiments and detailed uncertainty analysis to develop and validate a solid-phase microextraction/gas chromatography-mass spectrometry method for the simultaneous analysis of 16 pesticides in water.](#)

Elodie Passeport et. al

Journal of chromatography. A, 1217(33), undefined (2010-7-14)

A solid-phase microextraction (SPME)/gas chromatography (GC)-mass spectrometry (MS) multiresidue analytical method was developed for 16 pesticides presenting different physicochemical properties including diphenyl ether, triazine, ureas, acetamides, ...[Read More](#)

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[Enantiomeric monoterpene emissions from natural and damaged Scots pine in a boreal coniferous forest measured using solid-phase microextraction and gas chromatography/mass spectrometry.](#)

Noureddine Yassaa and Jonathan Williams

Journal of chromatography. A, 1141(1), undefined (2006-12-19)

In order to develop a valuable method for accurate screening of biogenic emissions from undisturbed living plants or for plant-insect interactions, solid-phase microextraction (SPME) has been combined with dynamic branch enclosure cuvettes and enanti...[Read More](#)

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[Coating of peanuts with edible whey protein film containing alpha-tocopherol and ascorbyl palmitate.](#)

J H Han et. al

Journal of food science, 73(8), undefined (2008-11-21)

Physical properties of whey protein isolate (WPI) coating solution incorporating ascorbic palmitate (AP) and alpha-tocopherol (tocopherol) were characterized, and the antioxidant activity of dried WPI coatings against lipid oxidation in roasted peanu...[Read More](#)

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[Sorbent trapping solid-phase microextraction of fragrance allergens in indoor air.](#)

J Pablo Lamas et. al

Journal of chromatography. A, 1217(33), undefined (2010-7-14)

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[Solid-phase micro-extraction procedure for the determination of 1,3-dichloro-2-propanol in water by on-fibre derivatisation with bis\(trimethylsilyl\)trifluoroacetamide.](#)

Antonia Maria Carro et. al

Analytical and bioanalytical chemistry, 394(3), undefined (2009-4-11)

The headspace solid-phase micro-extraction technique with on-fibre derivatisation followed by gas chromatography-tandem mass spectrometry has been evaluated for the analysis of 1,3-dichloro-2-propanol in water. An asymmetric factorial design has been...[Read More](#)

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Solid-phase micro-extraction (SPME) in the early detection of potentially active volatile compounds from organic wastes used for the management of soil-borne pathogens.

Esther De La Fuente et. al

Journal of environmental science and health. Part A, Toxic/hazardous substances & environmental engineering, 44(10), undefined (2009-10-16)

The complex molecular assemblages were analysed in the soil gas phase after applying pine forest wastes (PFW) or sugarbeet vinasses (SBV) for soil-borne crop pests' management. For this purpose, solid-phase micro-extraction (SPME) and gas chromatogra...[Read More](#)

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