



RAD145S Supelco

# radiello™ BTEX/VOC Starter Kit, Thermal Desorption

Synonym: radiello™ Starter Kits



FDS

Similar Products

Conditionnement - SKUDisponibilité

Prix (EUR) Quantité

RAD145S

Seulement 2 en stock (d'autres en cours d'arrivage) - A PARTIR DE

216.00

0

Commandes Bulk?

AJOUTER AU PANIER

## Propriétés

|                    |  |
|--------------------|--|
| Related Categories | <a href="#">radiello® Diffusive Sampling Products, Air Monitoring, Analytical/Chromatography, Passive/Diffusive Sampling, Sample Preparation &amp; Purification, Plus...</a> |
| packaging          | pkg of 1 kit (2 RAD145 adsorbing cartridges and barcode labels, 1 RAD1202 yellow diffusive body, 1 RAD121 triangular support plate, 1 instruction sheet)                     |
| matrix             | SS net (3 x 8 µm, 4.8 mm diam.), Carbograp   |
| Agency/Method      | EPA IP-6C (*Note: This product is not officially specified in the method, <i>it may be</i> suitable for use for sampling compound(s) listed in the method*)                  |
|                    | EPA TO-14A (*Note: This product is not officially specified in the method, <i>it may be</i> suitable for use for sampling compound(s) listed in the method*)                 |
|                    | EPA TO-15 (*Note: This product is not officially specified in the method, <i>it may be</i> suitable for use for sampling compound(s) listed in the method*)                  |
|                    | EPA TO-17 (*Note: This product is not officially specified in the method, <i>it may be</i> suitable for use for sampling compound(s) listed in the method*)                  |
|                    | NIOSH 1500 (*Note: This product is not officially specified in the method, <i>it may be</i> suitable for use for sampling compound(s) listed in the method*)                 |
|                    | NIOSH 1501 (*Note: This product is not officially specified in the method, <i>it may be</i> suitable for use for sampling compound(s) listed in the method*)                 |
|                    | NIOSH 2549 (*Note: This product is not officially specified in the method, <i>it may be</i> suitable for use for sampling compound(s) listed in the method*)                 |
| compatibility      | for sampling BTEX / VOCs (Thermal desorption)  |

montrer moins de résultats

## Description

### General description

Each RAD145S Starter Kit includes:  
Two radiello cartridge adsorbents (RAD145) for VOCs - Thermal Desorption (Note: 1 x cartridge for sampling; and 1 x for blank)  
1 x Triangular support plate (RAD121)  
1 x vertical adapter for personal sampling (RAD122)  
1 x yellow diffusive body (RAD1202)  
Detailed sampling/analysis instructions

Radiello Starter Kits are ideal for introducing you to the product and include everything you need to take one complete sample. No additional parts are required. Each kit includes the following items:

**Each RAD130S Starter Kit Includes:**  
Two radiello cartridge adsorbents - Solvent Desorption Note: 1 x cartridge for sampling; and 1 x for blank)  
1 x Triangular support plate (RAD121)  
1 x vertical adapter for personal sampling (RAD122)  
1 x white diffusive body (RAD120)

**Each RAD141S and 145S Starter Kit Includes:**  
Two radiello cartridge adsorbents - Thermal Desorption (Note: 1 x cartridge for sampling; and 1 x for blank)  
1 x Triangular support plate (RAD121)  
1 x vertical adapter for personal sampling (RAD122)  
1 x yellow diffusive body (RAD1202)  
1 x barcode label (RAD190)  
Detailed sampling/analysis instructions

**Legal Information**  
radiello is a trademark of Institi Clinici Scientifici Maugeri

Informations Sécurité

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

Documents

Certificat d'Analyse

Entrez le Lot N°

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Customers Also Viewed



**RAD1232**  
**radiello™ ready-to-use Diffusive Sampler**  
for sampling BTEX and VOCs (Thermal Desorption), pk of 5



**RAD407**  
**radiello™ BTEX Calibration Kit (Thermal Desorption)**



**RAD1202**  
**radiello™ Diffusive Bodies**  
yellow, configured for reduced sampling rates, pk of 20




**RAD1231**  
**radiello™ ready-to-use Diffusive Sampler**  
for sampling BTEX and VOCs (CS<sub>2</sub> Desorption), pk of 5




**RAD122**  
**radiello™ Vertical Adapter**  
threaded for standard use, pk of 20


Recently Viewed




**RAD145**  
**radiello™ Cartridge Adsorbents**  
for sampling BTEX and VOCs (thermal desorption), matrix SS net (3 x 8 µm, 4.8 mm diam.), Carbograph, pk of 20




**RAD141S**  
**radiello™ 1,3-Butadiene Starter Kit, Thermal Desorption**  
pkg of 1 kit (2 RAD141 adsorbing cartridges and barcode labels, 1 RAD1202 yellow diffusive



**RAD141**  
**radiello™ Cartridge Adsorbents**  
pkg of 20 ea



**RAD132**  
**radiello™ Cartridge Adsorbents**  
for sampling Anaesthetic Gases/Vapors, matrix SS net with mix of mol sieve and activated charcoal (30-50 mesh), pk of 20



**RAD130S**  
**radiello™ BTEX/VOC Starter Kit, CS<sub>2</sub> Desorption**

Protocoles et articles

Articles

**How Does the Diffusive Sampler Work and Why is it so Special?**  
The diffusive sampler is a closed box, usually cylindrical. Of its two opposite sides, one is "transparent" to gaseous molecules which cross it, and are adsorbed onto the second side. The former side...  
Keywords: Adsorption, Diffusion, Diffusive sampling, Environmental, Flame ionization detector, Mass spectrometry, PAGE, Sample preparations

**How to use the radiello® Diffusive Air Sampler**  
From our library of Articles, Sigma-Aldrich presents How to use the radiello® Diffusive Air Sampler

**What is radiello® diffusive sampling?**  
In the mid 1990's, Dr. Vincenzo Cocheo, director of the Fondazione Salvatore Maugeri, Padova, Italy, in collaboration with the European Commission's Joint Research Center and other institutions, deve...  
Keywords: Diffusion, Gas chromatography, Mass spectrometry, Sample preparations

**radiello® Air Sampler Components**  
The essential parts of radiello are the adsorbing cartridge, the diffusive body, the supporting plate and the adhesive label with the bar code indication. Apart from the adsorbing cartridge, if not d...  
Keywords: Sample preparations

[radiello® Diffusive Air Sampler Calibration Solutions & Kits](#)

RAD171 relieves you from the task of preparing the sodium sulfide standard solution for the calibration curve used for the determination of H2S by the cartridge RAD170. Since sodium sulfide is deliqu...  
Keywords: High performance liquid chromatography, PAGE, Purification, Titrations

[radiello® Diffusive Air Sampler Maintenance](#)

When exposed outdoors or in a workplace environment, the diffusive body may get dirty from airborne dust. Fine particles (PM10) are especially harmful to yellow diffusive bodies since they can obstru...  
Keywords: Detergents, Solvents

[radiello® Passive Air Sampler Overview and Applications](#)

From our library of Articles, Sigma-Aldrich presents radiello® Passive Air Sampler Overview and Applications  
Keywords: Diffusive sampling, Sample preparations

[radiello® Ready-to-Use](#)

The ready-to-use version may be advantageous when you prefer not to assemble all of the components on field. It can be purchased as it is or in separate parts to be assembled by the customer. In the ...  
Keywords: Sample preparations

Documentation référencée

**Did you use this product in your Paper? If so click here.**

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[Detection of potato brown rot and ring rot by electronic nose: from laboratory to real scale.](#)  
E Biondi et. al  
Talanta, 129, undefined (2014-8-17)  
A commercial electronic nose (e-nose) equipped with a metal oxide sensor array was trained to recognize volatile compounds emitted by potatoes experimentally infected with Ralstonia solanacearum or Clavibacter michiganensis subsp. sepedonicus, which ...[Read More](#)  
Assessment of uncertainty of benzene measurements by Radiello diffusive sampler Plaisance, H., et al. Atmospheric Environment 42 (10), 2555-2568, (2008)

[read abstract](#)

[Dependence on sampling rates of Radiello\(\(R\)\) diffusion sampler for BTEX measurements with the concentration level and exposure time.](#)  
Anne Pennequin-Cardinal et. al  
Talanta, 65(5), undefined (2008-10-31)  
Radiello((R)) diffusive samplers filled with a thermally desorbable adsorbent (graphitised charcoal Carbograph 4) have been tested for the monitoring of BTEX. The sampling rates have been estimated under various controlled atmospheres in order to eva...[Read More](#)

[read abstract](#)

[Small-scale passive emission chamber for screening studies on monoterpene emission flux from the surface of wood-based indoor elements.](#)  
Mariusz Marć et. al  
The Science of the total environment, 481, undefined (2014-2-28)  
Analysis of literature data published in the last few years leads to the conclusion that in the process of assessment of emission flux of organic compounds emitted from different types of equipment and finishing materials, new types of devices, among...[Read More](#)

[read abstract](#)

[VOC in an urban and industrial harbor on the French North Sea coast during two contrasted meteorological situations.](#)  
Joelle Roukos et. al  
Environmental pollution (Barking, Essex : 1987), 157(11), undefined (2009-7-8)  
Two measurement campaigns of volatile organic compounds (VOC) were carried out in the industrial city of Dunkerque, using Radiello passive samplers during winter (16-23 January) and summer (6-13 June) 2007. 174 compounds were identified belonging to ...[Read More](#)

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[Comparison of exposure assessment methods in occupational exposure to benzene in gasoline filling-station attendants.](#)  
Mariella Carrieri et. al  
Toxicology letters, 162(2-3), undefined (2005-11-18)  
The aim of this study was to assess gasoline filling-station attendants' exposure to benzene and to determine which biological exposure index (BEI), trans,trans-muconic acid (t,t-MA) or S-phenylmercapturic acid (S-PMA), shows better correlation with ...[Read More](#)

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[Indoor contaminants from newspapers: VOCs emissions in newspaper stands.](#)  
Maurizio Caselli et. al  
Environmental research, 109(2), undefined (2008-12-26)  
Mean volatile organic compound (VOC) concentrations in 16 newspaper stands and in two printing shops were monitored for the purpose of quantifying the various VOCs in these areas and to relate the results. In each site halogenated, oxygenated, alipha...[Read More](#)  
Reliability of a BTEX radial diffusive sampler for thermal desorption: field measurements Bruno, P., et al. Atmospheric Environment 39 (7), 1347-1355, (2005)

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[\[Lesser validity of urinary benzene than S-phenylmercapturic acid for measuring occupational and environmental exposure to very low concentrations of benzene\].](#)  
P Lovreglio et. al  
Giornale italiano di medicina del lavoro ed ergonomia, 33(2), undefined (2011-7-30)  
To study the validity of urinary benzene as a biomarker of low and very low exposure to this toxicant, as compared with t,t-muconic acid (t,t-MA) and S-phenylmercapturic acid (SPMA), also taking into account the influence of cigarette smoking and co-...[Read More](#)  
A new laboratory test chamber for the determination of diffusive sampler uptake rates Gonzalez-Flesca, N., Frezier, A. Atmospheric Environment 39 (22), 4049-4056, (2005)

[read abstract](#)

[Personal exposure to volatile organic compounds in the Czech Republic.](#)  
Vlasta Svecova et. al  
Journal of exposure science & environmental epidemiology, 22(5), undefined (2012-6-7)  
Personal exposures to volatile organic compounds (VOCs) were measured in the three industrial cities in the Czech Republic, Ostrava, Karvina and Havirov, while the city of Prague served as a control in a large-scale molecular epidemiological study id...[Read More](#)  
Performances of the [TM="Radiello"] diffusive sampler for BTEX measurements: Influence of environmental conditions and determination of modelled sampling rates Pennequin-Cardinal, A., et al. Atmospheric Environment 39 (14), 2535-2544, (2005)

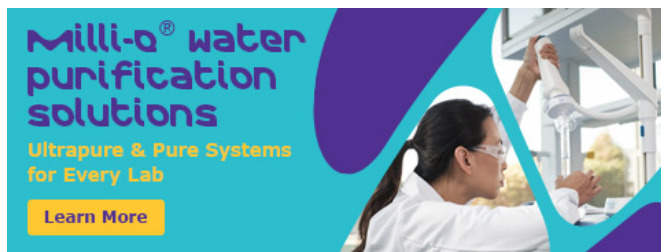
[read abstract](#)

[Biological monitoring of exposure to perchloroethylene in dry cleaning workers.](#)  
Isabella Macca et. al  
La Medicina del lavoro, 103(5), undefined (2012-10-20)  
Perchloroethylene (PCE) is the most widely used solvent in dry cleaning. The aim was to evaluate PCE pollution and to identify the most reliable biological indicators for the assessment of workers' exposure. The study was performed in 40 dry cleaning...[Read More](#)

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[Occupational exposure to styrene in the fibreglass reinforced plastic industry: comparison between two different manufacturing processes.](#)  
Giovanna Tranfo et. al  
La Medicina del lavoro, 103(5), undefined (2012-10-20)  
Styrene is used in manufacturing fiberglass reinforced plastics: and occupational exposure was related to neurotoxicology and genotoxicity. The sum of the metabolites mandelic and phenylglyoxylic acids is the ACGIH biomarker for occupational exposure...[Read More](#)  
Ambient Volatile Organic Compound Monitoring by Diffusive Sampling. Compatibility of High Uptake Rate Samplers With Thermal Desorption Bates, M., et al. Analyst 122, 1481-1484, (1997)  
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Produits associés



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