

The RESTEK logo features the word "RESTEK" in a bold, white, sans-serif font. Above the letter "E", there is a stylized graphic of a chromatography column or detector head, composed of a series of small dots forming a semi-circular arc.

2007/2008 Edition

CHROMATOGRAPHY PRODUCTS

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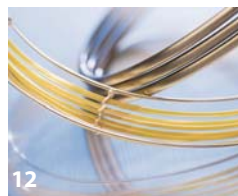
The background of the cover features a close-up photograph of chromatography components. On the left, there are several glass ampoules containing a golden-brown liquid. In the center and right, there are bundles of yellow and white chromatography columns, some held together by metal clips. The lighting is bright, creating highlights and shadows on the glass and metal surfaces.

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RESTEK

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**contact us
today!**



Turn to pages 4 & 5 for a list of Restek's International Subsidiaries & Distributors or visit www.restek.com.

Restek International

Your Global Source for Restek Products, Support, & Service!

Restek is committed to meeting the needs of our customers worldwide. What's the best way to do that? Provide global Plus 1 customer service and innovation.

Over the past year, we have increased resources in our International Sales Team to ensure that we exceed your needs and provide the best customer service in the chromatography industry. Restek has expanded its international dealer network to allow us to better service the needs of chromatographers in every corner of the world. We are pleased to serve you with 110 Restek representatives in over 80 countries and sales territories worldwide!

What's New?

- Expanded international sales team
- Restek subsidiaries
- 12 new dealers
- Dedicated technical support
- New international products
- New international application notes
- Translated literature in French, German, Italian, and Spanish
- New international application notes
- Technical seminars in 20 countries
- Attendance at international trade shows: Analytica, RIVA, BCEIA, Simcro, Enviro Analysis, Dioxin 2006

Our Team

Restek continues to offer international distributors and customers full support with a dedicated, specialized International Sales and Marketing Team.

Our team members bring many years of experience in chromatography and are highly trained to understand international customer needs. We are supported by the knowledge, experience, and expertise of more than 250 Restek chromatography specialists, product managers, manufacturing chemists, customer service, technical service, and shipping professionals.

We value our relationship with you and look forward to serving the needs of our international dealers and customers. Contact us and let us know how we can best meet your chromatography needs. To locate your local Restek distributor, please refer to pages 4–5 in the catalog, or visit our website at www.restek.com.

our **GOAL...**

to be *"The Company that
Chromatographers Trust"*
worldwide!

Restek International

Restek recognizes that exceptional customer service is what separates us from the rest. We promise to provide you with the best support in the industry.

International Sales Managers

Restek's international sales managers are trained to assist customers in choosing chromatography supplies to optimize performance and improve laboratory efficiency. They build the awareness of Restek products throughout the world by offering distributor training, attending trade shows and technical symposiums, and establishing distribution channels in the global chromatography market. For countries not listed in the catalog or on www.restek.com, please contact Karen Kishbach.

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map guide

pages 4 & 5

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for more info

see pages 4 & 5 to locate your Restek international subsidiary or distributor. Visit www.restek.com for recent updates.

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Restek's customer service representatives provide Plus 1 service to our subsidiaries and distributors to insure that customers throughout the world get the products they order when they need them.



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important note

If you purchased the product through a distributor, you must obtain return authorization through that distributor.

General Warranty Information

Restek warrants the products it manufactures, except those specifically exempted, to be free from defects in materials and workmanship for ninety (90) days from the date of shipment. This warranty is limited to the original purchaser of the product and is not transferable.

During the warranty period Restek will, at its option, either repair or replace a defective product, or return to purchaser the price of the item. This limited warranty does not extend to any products that have been damaged as a result of accident, misuse, abuse, or service or modification by anyone.

Except as expressly set forth above, no other warranties are expressed or implied including, but not limited to, any implied warranties of merchantability and fitness for a particular purpose, and Restek expressly disclaims all warranties not stated herein. In the event the product is not free from defect as warranted above, the purchaser's sole remedy shall be as provided above. Under no circumstances will Restek be liable to the purchaser or any user for any damages, including the incidental or consequential damages, expenses, lost profits, lost savings or other damages arising out of the use or inability to use the product.

This warranty shall not be applicable to the extent that any provision of this warranty is prohibited by any federal, state, or municipal law that cannot be preempted.

U.S. Version - Prices valid thru 12/31/07. Restek reserves the right to change prices without notice.

Returns Information / RA Numbers *(outside the U.S.—contact your local Restek representative)*

If you have a problem with a product, contact Restek's Technical Service Department. Often, we can resolve a problem over the phone, saving you the time and effort of returning an item. Please be prepared to provide the following information:

- Name, company name, address, and phone number
- Product name, catalog number, lot and/or serial number, and quantity
- Purchase order and/or invoice number (including where purchased if other than directly from Restek)
- Detailed description of the problem

If we are unable to resolve the problem, our technical service representative will issue a Return Authorization Number (RA#). Ship the product with the original QA/calibration documentation supplied by Restek, prepaid and insured, to the location from where it was purchased. Chemical standards must be returned within 10 days from the date the RA# is issued; all other products must be returned within 30 days. If a product is not returned within the time limit, or is returned without an RA#, Restek can refuse to accept it for evaluation or credit.

Problems with your order *(outside the U.S.—contact your local Restek representative):*

Call **RA Coordinator** at **(800)356-1688, ext. 2146**, if you have problems such as:

- You've received the wrong part or quantity
- The item you've received is broken or damaged
- Items were omitted from the order

If you are returning a product because of an ordering error by the person placing the order, credit is issued less a 10% restocking fee. There is no fee if Restek was responsible for the error. An ordering error must be brought to our attention within ten (10) days after the product is shipped, and the product must be returned unused and in good condition. We cannot issue credit if the product cannot be returned to stock because it is used or damaged.

Product functioning problems *(outside the U.S.—contact your local Restek representative):*

Call **Technical Service** at **(800)356-1688, ext. 4**, if you have problems such as:

- You can't get a product to perform properly
- A product has exhibited a short lifetime
- You can't duplicate an application chromatogram in our literature
- Instructions for using a product are unclear

Replacement/Repair Policies *(outside the U.S.—contact your local Restek representative)*

Columns and most consumables normally will be evaluated within seven working days after receipt, unless there are unusual or special circumstances. If you need a replacement immediately, we can send a new product (except for electronic products), but we must invoice you for the item. Credit is issued to your account if the returned product is determined to be defective. If the problem was system-related or was caused by improper use or handling, the item will be returned to you, and the replacement invoice is due. We cannot restock used or damaged items.

Restek will honor the original warranty of resale electronic products. However, if the item is not under warranty, the customer is responsible for all repair costs charged by the vendor.

Contact us:

U.S. Customers	
RA Coordinator: 800-356-1688 , ext. 2146 Fax: 814-353-1570	Technical Service 800-356-1688 , ext. 4 Fax: 814-353-1568 e-mail: support@restek.com

International Customers
Contact your local Restek representative. If you purchased the product through a distributor, you must obtain return authorization through that distributor.

Ship the product prepaid and insured, with the return authorization number written on the outside of the package, to the following address:

Restek Corporation
110 Benner Circle
Bellefonte, PA 16823

Please note: We cannot accept return products without prior authorization.

A completed, signed **Health & Safety Declaration** (www.restek.com/health-safety) must accompany all returns of products that have been used. Please include the completed document with the returned product.



What's New in '07

GC Columns

Ultra-low bleed Rxi™-1ms and Rxi™-5ms capillary GC columns in new dimensions. Pages 31-33.

Rxi™ guard columns: newly developed deactivation for fused silica columns. Pages 31-32.

Rxi™-50 and Rxi™-17 columns: the newest phases in our Rxi™ column line. Page 34.

Rt-LC50 columns: a 50% liquid crystal phase for PAHs or dioxin, furan, or PCB congeners. Page 68.

Rt-PAH columns: a liquid crystal phase specifically for PAHs. Page 68.

Many new applications chromatograms. See page 11.



HPLC Columns

Allure® Biphenyl columns: enhanced selectivity for unsaturated compounds, efficient 3µm packing. Page 307.

Allure® AK columns: resolve 13 carbonyl compounds in 15 minutes. Page 309.

3µm Viva C18, 5µm Viva Biphenyl, 5µm Viva PFP Propyl columns, prepared from our true wide pore Viva silica. Pages 317,318.

Restek is now your one source for all Kromasil® columns and packings. Pages 320-321.

Many new applications chromatograms. See page 11.

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What's New in '07

GC Accessories

MLE tool kits: conveniently provide the tools necessary for installing and maintaining capillary columns! Page 195.

Silicone washers for FID collector housing for Agilent GCs. Page 154.

Injector turret motor and Z-belt for Agilent autosamplers. Page 159.

Drilled Uniliner® w/hole at bottom for Varian 1079: make direct injections in EPC-equipped GCs. Page 163.

Capillary installation gauge for Varian GCs. Page 165.

Injector nut kit for Shimadzu GCs, Siltek® treated. Page 170.

Capillary installation gauge for Shimadzu GCs. Page 171.

Cycloplitter® inlet liner for Shimadzu 17A & 2010. Page 168.

SPME inlet liner for Shimadzu 17A & 2010. Page 169.

FID replacement parts for PerkinElmer Auto SYS XL and Clarus 500, body for PerkinElmer GCs. Page 175.

Zero dilution inner liner for PerkinElmer & Clarus GCs. Page 173.

Zero dilution outer liner for PerkinElmer & Clarus GCs. Page 173.

Liner cap removing tool for Thermo GCs. Page 180.

Jet removing tool for Thermo GCs. Page 179.

Transfer line reducing kit. Page 180.

SPME inlet liner for Thermo GCs, Siltek® treated metal inlet liner. Page 177.



Tools

Metric wrench set. Page 199.

12 piece ball-point hex key set, inch dimensions. Page 199.

9 piece ball-point hex key set, metric dimensions. Page 199.

Flashlight w/swivel head. Page 201.

Vials & Syringes

Replacement septa for VOA vials. Page 255.

Syringes for CTC/Leap instruments. Page 271 283.

Magnetic crimp caps. Page 255.

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What's New in '07

HPLC Accessories

Sidewinder™ temperature controllers: optimum control, for consistent chromatography. Page 342.

Outlet cap, outlet cap & gold seal assembly, and connecting tube for Agilent instruments. Page 332.

Capillary assemblies for Agilent systems. Page 332.

Inlet check valve for Shimadzu instruments. Page 334.

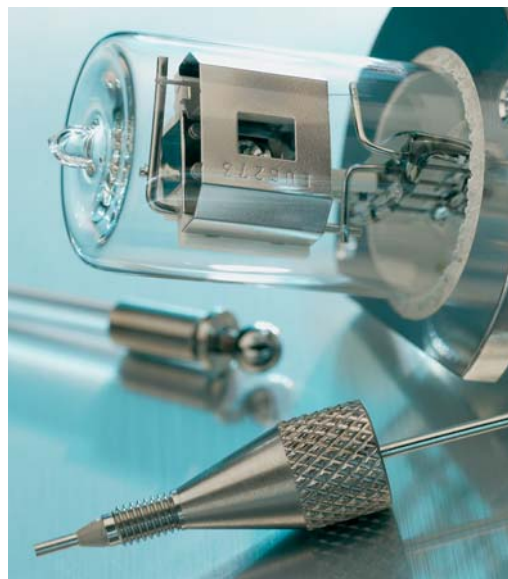
Syringes for CTC/Leap instruments. Page 283.

Two-way, three-way, prime/purge, and check valves. Page 337.

1µL and 25µL in-line mixers. Page 348.

50:1 to 1000:1 adjustable flow splitter. Page 348.

Restek Pack in a Box Kit: everything you need to pack your own analytical columns. Page 351.



Restek Performance Coatings

New Siltek®/Sulfinert® and Silcosteel®-CR treated fittings and tubing. Pages 370, 373



Air Monitoring

Alta-Robbins sample cylinder valve. Page 404.

Now Available! Environmental gas standards in PI marked cylinders. See pages 398-403.

Sample Preparation

Resprep™ polymeric adsorbent SPE cartridges: wider pH range than silica adsorbents. Page 356.

Combination SPE cartridges: Comply with Luke II method for removing fatty acids, pigments, sugars, etc. Page 357.

QuEChERS SPE cartridges: classic SPE and centrifuge-style tubes for this popular clean-up method. Page 357

90mm Resprep™ C18 SPE Disks. Page 359.

Genuine Restek parts and tools for ASE® extraction cells save you money and improve performance. Pages 362-365.





What's New in '07

Analytical Reference Materials

Organonitrogen and organophosphorus pesticide mixes
(EPA Method 507 & 525.2). Page 431.

**Nitrosamine, N-nitrosodimethylamine-d6,
N-nitrosodi-n-propylanimine-d14** (EPA Method 521). Page 433.

PFTBA (MS tuning compound). Page 434,452,453,458.
Method 525.2 Semivolatile Mix (revised). Page 435.

Organonitrogen, organophosphorus, organochlorine pesticide mixes (EPA Method 525.2). Page 435.

Polybrominated diphenylether mix (EPA Method 527). Page 436.

**Pesticides Mix #1, Pesticides Mix #2, surrogate standard,
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3,4-dinitrotoluene; 2-nitromesitylene; 1,2,4-trimethyl-5-nitrobenzene;
nitrobenzene-d5** (EPA Method 529). Page 437.

Haloacetic acid and haloacetic acid methyl ester mixes. Page 438.

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B/N Surrogate Mix, Acid Surrogate Mix (4/89 SOW). Page 453,461.

B/N Matrix Spike Mix. Page 453,461.

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SOM01.1 VOA deuterated monitoring compounds. Pages 458.

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CLP 04.1 B/N MegaMix™ and MegaMix™ Kit. Page 462.

SOM01.1 Pesticide Surrogate Mix. Page 465.

SOM01.1 Organochlorine Pesticide Resolution Check Mix. Page 465.

Isocyanates for air monitoring. Page 486.

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Blood alcohol. Page 488.

Exempted single-drug solutions. Page 489.

Residual solvent formulations for US and EU/ICH methodology. Page 490,491.

Test mixes to evaluate your GC column and system. Page 497.

What's New in '07

Applications

LC

Catecholamines on Allure® PFP Propyl. Page 520.

Carbonyls by CARB Method 1004 on Allure® AK. Page 524.

Phenoxyacid Herbicides on Ultra Aqueous C18 & Allure® Basix. Page 526.

Paraquat and Diquat on Ultra Quat. Page 531.

Sudan Dyes on Ultra Aqueous C18. Page 553.

Hydroxybenzoic Acids on Ultra Aqueous C18. Page 555.

Selective Serotonin Reuptake Inhibitors (SSRI) on Allure® Basix, Ultra PFP, & pHidelity™ C18. Pages 565-566.

Corticosteroids on Allure® Biphenyl. Page 568.

Steroid Hormones on Allure® Biphenyl. Page 571.

Basic Drugs on pHidelity™ C18. Page 573.

GC

Phthalate & Adipate Esters on Rxi™-1ms. Page 589.

Polynuclear Aromatic Hydrocarbons on Rxi™-5ms. Page 590.

Lubrication Range Organics on Rxi™-1ms. Page 592.

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Polybrominated Diphenyl Ethers (PBDEs) on Stx™-500. Page 636.

Organo Tins on Rtx®-35. Page 641.

Oxygenates on Rtx®-VMS. Page 647.

Commercial Peppermint Oil on Rt-γDEXsm™. Page 664.

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Simulated Distillation on Rtx®-2887 & Rtx®-1. Pages 707 & 708.

Sulfur Compounds on Rxi™-1ms. Page 711.

γ-butyrolactone & 1,4-butanediol on Rtx®-BAC1 & Rtx®-BAC2. Page 716.

γ-hydroxybutyrate (GHB) & γ-butyrolactone (GBL) on Rtx®-BAC1 & Rtx®-BAC2. Page 716.

Alkyl Nitrites on Rtx®-BAC1 & Rtx®-BAC2. Page 718.

Acidic/Neutral Drugs on Rxi™-5ms. Page 726.

Basic Drugs on Rxi™-5ms. Page 727.

Steroids: Sex Hormones on Rxi™-1ms. Page 733.

Local Anesthetics on Rxi™-5ms. Page 734.

Organic Volatile Impurities on Rtx®-200, Rtx®-WAX, & Rtx®-G43. Page 737, 740.

