

United Chemical Technologies, Inc.



Don Shelly

Environmental Product Manager
United Chemical Technologies, Inc.



From our modest beginnings in Horsham, PA in 1986, United Chemical Technologies, Inc. has evolved into a major competitor in the field of solid phase extraction technology. UCT is also an internationally recognized leader in the production of specialty chemicals including silanes and silicones. Our expertise in silane manufacturing allows greater control of the chemical processes involved in producing our high quality bonded phases.

UCT manufactures a wide range of highly reproducible cartridges from our proprietary polypropylene* allowing the analytical chemist a consistent extraction technique virtually free of extractables. For the discriminating chemist, we offer our products in glass cartridges.

We have a strong reputation with the drug testing industry for dependable service, competitive pricing, innovative technology and reproducible products. We are now expanding our services to the environmental testing industry.

UCT is pleased to bring you this catalogue containing our ever growing line of environmental testing products. We appreciate your support and look forward to your business. It is our promise to ensure your satisfaction by providing the best products, technical support, and service which you, our customer, demand and deserve.

* available in 1mL, 3mL, 6mL, 10mL and 15mL sizes

United Chemical Technologies, Inc.

Corporate Headquarters

Bristol, Pennsylvania

- Chemical Manufacturing
- QC Laboratories
- R & D Laboratories

In 1986, our synthetic polymer group introduced two new concepts into bonded phase extraction technology - copolymeric phases and reproducibility.

For years extraction chemists have been excited by the power and diverse applicability of bonded phase extraction, only to be disappointed by the lot to lot variability of products they received. Our polymerization methods have made this problem a thing of the past.

In constant pursuit of a better product, we acquired our raw materials supplier in 1993. This added greater depth to our knowledge of the manufacturing process for SPE silicas. We are now vertically integrated to better serve the chromatography market.

We did not stop at this, however. We have now introduced our chemistries into a variety of products including bonded silica membranes, 48/96 well plates, GC liners, derivatizing agents, flash chromatography cartridges, and pre-packed polymeric cartridges.

A significant effort has been put into learning and developing the polymeric silicon chemistries related to silica gel and its surface modified polymers. Our company's product line has grown to include



over 35 different bonded phases used regularly by extraction chemists, as well as a variety of other chromatographic products.

We feel that once you choose our products and support, you will understand why we are so well respected by our customers. We feel the results will speak for themselves, and that we can work together to fulfill your needs. We offer a solution to all your extraction problems. After all, isn't that what you're looking for in solid phase extraction technology?

Customer Service



Minimum Orders:

We welcome all orders; therefore, we do not have a minimum order requirement.

Delivery:

Normal processing is within 24 hours after receipt of an order. Unless special shipping requests have been made, our trained staff will send all orders via UPS Ground or FedEx Ground. The appropriate shipping charges (freight, insurance costs) will be added to the invoice unless otherwise instructed by the customer.

Special Pricing:

We offer special pricing for volume purchases and standing orders. These discounts apply to solid phase extraction cartridge purchases only. Please call a sales representative for more information on special pricing qualifications.

Customer Support:

Our sales staff will service all orders from 8:00 am to 5:00 pm EST, Monday through Friday. After hours, orders and messages may be sent by fax and/or voice mail. We will gladly return your calls as soon as possible on the next business day.

Placing an Order:

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Fax: 717-247-0109

E-mail: customerservice@unitedchem.com

Mail: United Chemical Technologies
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Technical Support:

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Fax: 215-785-1226

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2731 Bartram Road
Bristol, PA 19007

When ordering, please include your purchase order number, complete "Ship To" and "Bill To" addresses, catalog number, quantity, and description of product(s). Also include your name, phone number, or e-mail address where we can contact you if we have any questions concerning your order.



Customer Service

RETURN POLICY

Our Sales staff will handle all returns. Before returning merchandise, please call to obtain a return authorization number from a sales representative. We will need to know the reason for the return, date of purchase, purchase order number, and invoice number in order to issue a return authorization number.

WARRANTY

All products manufactured by United Chemical Technologies, Inc. are guaranteed against defects in materials and workmanship for a period of 90 days from shipment. United Chemical Technologies, Inc. will replace any items that prove to be defective during this time period.

The exclusive remedy requires the end user to first advise United Chemical Technologies, Inc. of the defective product by phone or in writing. Secondly, the defective product must be returned within 30 days after proper approval from our customer service department. All returns must indicate the purchase order number, the lot number and the shipping date. United Chemical Technologies, Inc. total liability is limited to the replacement cost of UCT products. This warranty does not apply to damage resulting from misuse.

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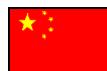
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ENVIRO-CLEAN®

Bulk Product Guide



Product Name	Part Number	Quantity
Copper Granules 99.5% 30 Mesh	ECCU01K	1kg
	ECCU05K	5kg
	ECCU10K	10kg
Alumina Activity Super I, Neutral	ECALN00D	500g
	ECALN01K	1kg
	ECALN03K	3kg
Alumina Activity Super I, Basic	ECALB00D	500g
	ECALB01K	1kg
	ECALB03K	3kg
Alumina Activity Super I, Acid	ECALA00D	500g
	ECALA01K	1kg
	ECALA03K	3kg
Florisil® A 100-200 Mesh	ECFLOR00D	500g
	ECFLOR03K	3kg
Florisil® PR	ECFLS00D	500g
	ECFLS03K	3kg
NaCl ACS Grade	ECNACL05K	5kg
	ECNACL10K	10kg
	ECNACL50K	50kg
Ottawa Sand	ECOTT05K	5kg
	ECOTT10K	10kg
	ECOTT25K	25kg

ENVIRO-CLEAN®

Bulk Product Guide

Product Name	Part Number	Quantity
Sodium Sulfate Anhydrous ACE Grade Granular 60 Mesh	ECSS05K	5kg
	ECSS10K	10kg
	ECSS50K	50kg
Silica Gel 100-200 Mesh suitable for cartridge chromatography	ECSIOH00D	500kg
	ECSIOH03K	3kg
Magnesium Sulfate Organic Free Anhydrous Powder Reagent, 99.5% min.	ECMAG00D	500g (1 unit)
	ECMAG00DCS	1 case (4 units)
Celite 566 Used in ASE and PSE extractions	EC56601K	1kg
	EC56603K	3kg

Specialty Cartridges For Environmental Extractions and Clean Up



Product Name	Description	Part Number	Amt. Sorbent/ Tube Vol.	Units
CLEAN-ELUTE™	A diatomaceous earth matrix capable of being used within a pH range of 1-13.	CLEANELUTE	5000mg/50mL	108
Florisol® PR	Pesticide Residue grade Florisol® in the cleanest cartridge on the market. Florisol® is a registered trademark of U.S. Silica.	EUFLS1M6	1000mg/6mL	30
Florisol® A	Equivalent to PR grade, but with a smaller particle size. Preferred by many environmental testing labs. Florisol® is a registered trademark of U.S. Silica.	EUFLSA1M6	1000mg/6mL	30
ENVIRO-CLEAN® TPH Silica	(Gravity Flow) Developed for fractionation of MA EPH. Cartridge is capped at both ends to assure silica integrity.	XRSIHT13M15	3000mg/15mL	24
ENVIRO-CLEAN® C18	Optimized for non polar analytes, including pesticides, PCBs, PAHs, and formaldehyde.	EEC181M6	1000mg/6mL	30
ENVIRO-CLEAN® C18 Polar	For non polar and moderately polar analytes.	EUC181M6	1000mg/6mL	30

Specialty Cartridges

For Environmental Extractions and Clean Up

Product Name	Description	Part Number	Amt. Sorbent/ Tube Vol.	Units
ENVIRO-CLEAN® 548	For EPA Method 548.1 Endothall extraction.	EC548006	Biorex 5/6mL	30
ENVIRO-CLEAN® DVB	For herbicides, phenols, etc.	ECDVB056	50mg/6mL	50
ENVIRO-CLEAN® 521	Activated carbon for EPA Method 521	EU52112M15	2000mg/15mL	30

ENVIRO-CLEAN® Universal Cartridges

(Fits the Horizon SPE-DEX® 4790 Automated Extraction System)



Product Name	Description	Part Number	Amt. Sorbent/ Tube Vol.	Units
UNIVERSAL OIL & GREASE	For EPA Method 1664	ECUNIOAG	4000mg/83mL	15
UNIVERSAL 525	For EPA Method 525.2	ECUNI525	1500mg/83mL	8
UNIVERSAL PAH / DRO	For PAH and Diesel Range Organics extractions	ECUNIPAH	2000mg/83mL	8
UNIVERSAL C18	For extraction of pesticides, herbicides and PCBs, etc.	ECUNIC18	1100mg/83mL	8

The DISPERSIVE Solid Phase Extraction Tube

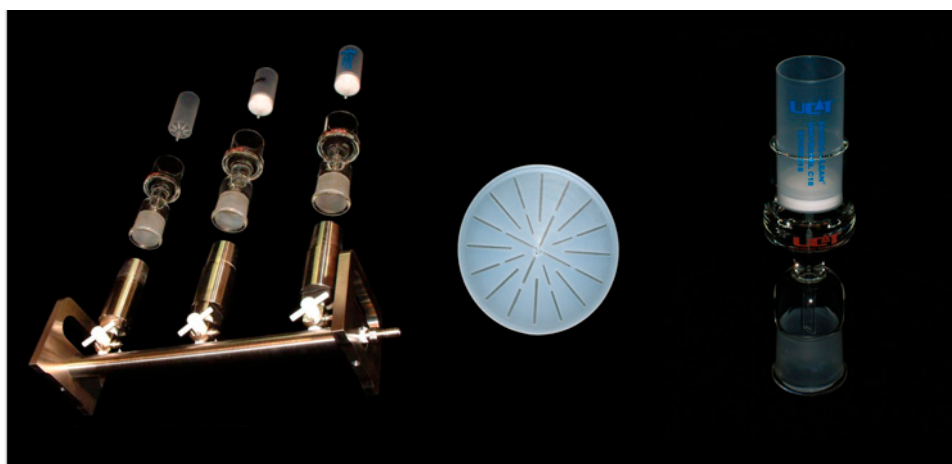


Designed for Use with the QuEChERS Method:
Quick, Easy, Cheap, Effective, Rugged and Safe approach for determining pesticide residues,
 developed at the USDA-ARS Eastern Regional Research Center in Wyndmoor, PA.

Micro-Centrifuge Tubes		
Part Number	Description	Units
CUMPSCB2CT	2mL micro-centrifuge tubes with 150mg Magnesium Sulfate, 50mg PSA, and 50mg carbon	100/pack
CUMPS2CT	2mL micro-centrifuge tubes with 150mg Anhydrous Magnesium Sulfate, 50mg PSA	100/pack
CUMPSC18CT	2mL micro-centrifuge tubes with 150mg Anhydrous Magnesium Sulfate, 50mg PSA & 50mg endcapped C18	100/pack
ECMPSCB15CT	15mL centrifuge tubes with 900mg Anhydrous Magnesium Sulfate, 300mg PSA & 150mg graphitized carbon	50/pack
ECPSACB6	6mL columns with 400mg PSA on bottom, 200mg Graphitized Carbon Black on top, Separated by a Teflon frit*	30/pack
ECPSACB256	6mL columns with 250mg graphitized carbon on top, 500mg PSA on the bottom, separated with a Teflon frit*	30/pack
ECPSACB506	6mL columns with 500mg graphitized carbon on top, 500mg PSA on the bottom, separated with a Teflon frit*	30/pack

*Products available with Polyethylene or Teflon frits. Your choice will depend on your application and price requirements

DISK MANIFOLD AND ACCESSORIES



Disk Manifold and Accessories

Part Number	Description	Units
ECUCTVAC147	1 Station Manifold Assembly (47mm). Includes 1 Station Manifold, KEL-F Screen, Funnel, Base, Clamp.	1
ECUCTVAC190	1 Station Manifold Assembly (90mm). Includes 1 Station Manifold, KEL-F Screen, Funnel, Base, Clamp.	1
ECUCTVAC347	3 Station Manifold Assembly (47mm). Includes 3 Station Manifold, KEL-F Screen, Funnel, Base, Clamp.	1
ECUCTVAC390	3 Station Manifold Assembly (90mm). Includes 3 Station Manifold, KEL-F Screen, Funnel, Base, Clamp.	1
ECUCTVAC647	6 Station Manifold Assembly (47mm). Includes 6 Station Manifold, KEL-F Screen, Funnel, Base, Clamp.	1
ECUCTVAC690	6 Station Manifold Assembly (90mm). Includes 6 Station Manifold, KEL-F Screen, Funnel, Base, Clamp.	1

DISK MANIFOLD AND ACCESSORIES

Part Number	Description	Units
ECUCTVAC1	1 Station Manifold	1
ECUCTVAC3	3 Station Manifold	1
ECUCTVAC6	6 Station Manifold	1
ECCG1420	47mm Aluminum Clamp	1
ECUC0502	90mm Aluminum Clamp	1
ECQSB47	47mm Support Base	1
ECQFN300	47mm 300mL Funnel	1
ECQSB90	90mm Support Base	1
ECQFN1000	90mm 1000mL Funnel	1
ECUCT47	47mm KEL-F Screen	1
ECUCT90	90mm KEL-F Screen	1
ECUCTADP	Cartridge Adaptor	1



ENVIRO-CLEAN®

Solid Phase Extraction Cartridges

Environmental SPE Cartridges



Environmental Phases Offered:

- Hydrophobic
- Hydrophilic
- Ion Exchange
- Copolymeric
- Covalent
- Custom Orders Available



ENVIRO-CLEAN®

Solid Phase Extraction Cartridges

How to Read ENVIRO-CLEAN® Part Numbers:

ENVIRO-CLEAN® CODE

<p style="font-size: 2em; margin: 0;">E U B C X 1 5 3</p>	<p style="margin: 0;">Cartridge Size (mL)</p>	
<p>EU: Unencapped Cartridge EE: Encapped Cartridge</p>	<p>Sorbent Type*</p>	<p>Packing Size (x 100mg) ("M" signifies x 1,000mg)</p>
<p>EUBCX153: ENVIRO-CLEAN® Benzenesulfonic Acid Cation Exchange Cartridge, Single Phase, 500mg/3mL, Unencapped.</p>		<p style="text-align: center;">SINGLE & DUAL PHASE</p> <p>1: Cartridge contains given sorbent type. 2: Cartridge contains given sorbent type plus a hydrophobic phase.</p>

* Please use reference chart below

Sorbent Type

Code	Description
C02-C20	Carbon Chains
SIL	Unbonded Silica
PSA	n-2 Aminoethyl
BCX	Benzenesulfonic Acid Cation Exchanger
PCX	Propylsulfonic Acid Cation Exchanger
CCX	Carboxylic Acid Cation Exchanger
QAX	Quaternary Amine Anion Exchanger
DAX	Diethylamino Anion Exchanger
NAX	Aminopropyl Anion Exchanger
FLS	Florisil® PR
ALA	Alumina - Acid
ALB	Alumina - Base
ALN	Alumina - Neutral
CNP	Cyanopropyl
CYN	Cyclohexyl
DOL	Diol
PHY	Phenyl

Polymeric Resins for Solid Phase Extraction



DBX - Benzenesulfonic Acid + C18

Part Number	Amt. Sorbent/Tube Vol.	Units
SSDBX031	30mg/1mL	100
SSDBX033	30mg/3mL	50
SSDBX056	50mg/6mL	50

% Organic Loading: 12.30

Application:

Dual functionality for weak acids and hydrophobic compounds.

DVB - Polystyrene Divinylbenzene

Part Number	Amt. Sorbent/Tube Vol.	Units
SSDVB031	30mg/1mL	100
SSDVB033	30mg/3mL	50
SSDVB056	50mg/6mL	50

% Organic Loading: N/A

Application: N/A

BCX - Benzenesulfonic Acid

Part Number	Amt. Sorbent/Tube Vol.	Units
SSBCX031	30mg/1mL	100
SSBCX033	30mg/3mL	50
SSBCX056	50mg/6mL	50

% Organic Loading: 11.00

Application:

Scavenger for amines, alcohols and other nucleophiles.

C18 - Reverse Phase

Part Number	Amt. Sorbent/Tube Vol.	Units
SSC18031	30mg/1mL	100
SSC18033	30mg/3mL	50
SSC18056	50mg/6mL	50

% Organic Loading: 21.70

Application:

Removes hydrophobic impurities, de-salting and purification of hydrophobic compounds.

Polymeric Resins for Solid Phase Extraction



QAX - Quaternary Amine

Part Number	Amt. Sorbent/Tube Vol.	Units
SSQAX031	30mg/1mL	100
SSQAX033	30mg/3mL	50
SSQAX056	50mg/6mL	50

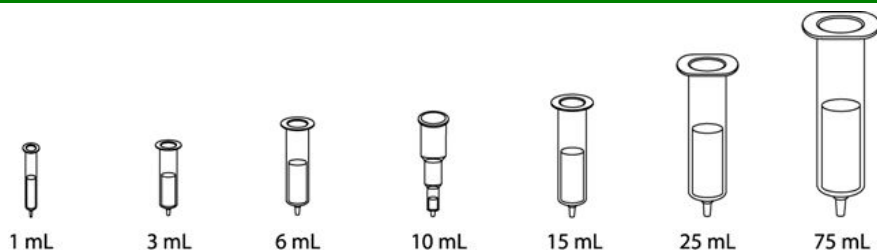
% Organic Loading: 6.60

Application:

Removes large or more hydrophobic compounds.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Hydrophobic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (20-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

C2, Ethyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC021L1	EEC021L1	50 mg/1 mL	100
EUC02111	EEC02111	100 mg/1 mL	100
EUC02123	EEC02123	200 mg/3 mL	50
EUC02153	EEC02153	500 mg/3 mL	50
EUC02156	EEC02156	500 mg/6 mL	50
EUC021M6	EEC021M6	1000 mg/6 mL	30
EUC0211Z	EEC0211Z	100 mg/10 mL	50
EUC0212Z	EEC0212Z	200 mg/10 mL	50
EUC0215Z	EEC0215Z	500 mg/10 mL	50
EUC0212M15	EEC0212M15	2000 mg/15 mL	20
EUC0215M25	EEC0215M25	5000 mg/25 mL	20
EUC02110M75	EEC02110M75	10000 mg/75 mL	10

% Organic Loading: 6.60

Application:

Removes large or more hydrophobic compounds.

Cn3, Propyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCn31L1	EECn31L1	50 mg/1 mL	100
EUCn3111	EECn3111	100 mg/1 mL	100
EUCn3123	EECn3123	200 mg/3 mL	50
EUCn3153	EECn3153	500 mg/3 mL	50
EUCn3156	EECn3156	500 mg/6 mL	50
EUCn31M6	EECn31M6	1000 mg/6 mL	30
EUCn311Z	EECn311Z	100 mg/10 mL	50
EUCn312Z	EECn312Z	200 mg/10 mL	50
EUCn315Z	EECn315Z	500 mg/10 mL	50
EUCn312M15	EECn312M15	2000 mg/15 mL	20
EUCn315M25	EECn315M25	5000 mg/25 mL	20
EUCn3110M75	EECn3110M75	10000 mg/75 mL	10

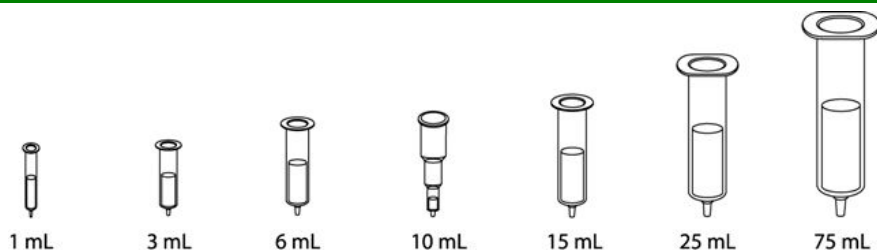
% Organic Loading: 7.60

Application:

Removes large or more hydrophobic compounds.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Hydrophobic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (20-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

Cn4, n-Butyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCn41L1	EECn41L1	50 mg/1 mL	100
EUCn4111	EECn4111	100 mg/1 mL	100
EUCn4123	EECn4123	200 mg/3 mL	50
EUCn4153	EECn4153	500 mg/3 mL	50
EUCn4156	EECn4156	500 mg/6 mL	50
EUCn41M6	EECn41M6	1000 mg/6 mL	30
EUCn411Z	EECn411Z	100 mg/10 mL	50
EUCn412Z	EECn412Z	200 mg/10 mL	50
EUCn415Z	EECn415Z	500 mg/10 mL	50
EUCn412M15	EECn412M15	2000 mg/15 mL	20
EUCn415M25	EECn415M25	5000 mg/25 mL	20
EUCn4110M75	EECn4110M75	10000 mg/75 mL	10

% Organic Loading: 8.50

Application:

Removes large or more hydrophobic compounds.

Ci4, Isobutyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCi41L1	EECi41L1	50 mg/1 mL	100
EUCi4111	EECi4111	100 mg/1 mL	100
EUCi4123	EECi4123	200 mg/3 mL	50
EUCi4153	EECi4153	500 mg/3 mL	50
EUCi4156	EECi4156	500 mg/6 mL	50
EUCi41M6	EECi41M6	1000 mg/6 mL	30
EUCi411Z	EECi411Z	100 mg/10 mL	50
EUCi412Z	EECi412Z	200 mg/10 mL	50
EUCi415Z	EECi415Z	500 mg/10 mL	50
EUCi412M15	EECi412M15	2000 mg/15 mL	20
EUCi415M25	EECi415M25	5000 mg/25 mL	20
EUCi4110M75	EECi4110M75	10000 mg/75 mL	10

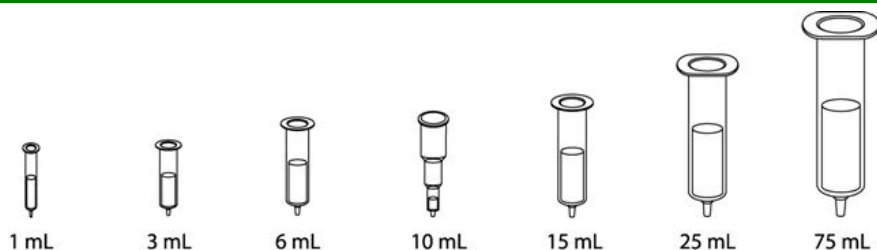
% Organic Loading: 8.80

Application:

Removes large or more hydrophobic compounds.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Hydrophobic Product Guide



Chemicals are offered in the following particle sizes:

- Small Particle (5-20 μm)
- Intermediate Particle (20-40 μm)
- Standard Particle (40-60 μm)
- Large Particle (125-210 μm)

Ct4, Tertiary Butyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCt41L1	EECt41L1	50 mg/1 mL	100
EUCt4111	EECt4111	100 mg/1 mL	100
EUCt4123	EECt4123	200 mg/3 mL	50
EUCt4153	EECt4153	500 mg/3 mL	50
EUCt4156	EECt4156	500 mg/6 mL	50
EUCt41M6	EECt41M6	1000 mg/6 mL	30
EUCt411Z	EECt411Z	100 mg/10 mL	50
EUCt412Z	EECt412Z	200 mg/10 mL	50
EUCt415Z	EECt4115Z	500 mg/10 mL	50
EUCt412M15	EECt412M15	2000 mg/15 mL	20
EUCt415M25	EECt415M25	5000 mg/25 mL	20
EUCt4110M75	EECt4110M75	10000 mg/75 mL	10

% Organic Loading: 8.50

Application:

Removes large or more hydrophobic compounds.

C5, Pentyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC051L1	EEC051L1	50 mg/1 mL	100
EUC05111	EEC05111	100 mg/1 mL	100
EUC05123	EEC05123	200 mg/3 mL	50
EUC05153	EEC05153	500 mg/3 mL	50
EUC05156	EEC05156	500 mg/6 mL	50
EUC051M6	EEC051M6	1000 mg/6 mL	30
EUC0511Z	EEC0511Z	100 mg/10 mL	50
EUC0512Z	EEC0512Z	200 mg/10 mL	50
EUC0515Z	EEC0515Z	500 mg/10 mL	50
EUC0512M15	EEC0512M15	2000 mg/15 mL	20
EUC0515M25	EEC0515M25	5000 mg/25 mL	20
EUC05110M75	EEC05110M75	10000 mg/75 mL	10

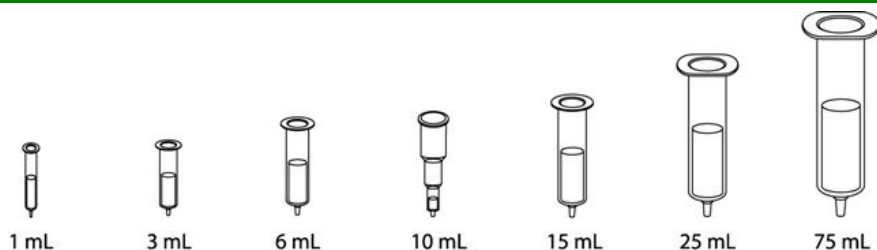
% Organic Loading: 9.50

Application:

Removes large or more hydrophobic compounds.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Hydrophobic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (20-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

C6, Hexyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC061L1	EEC061L1	50 mg/1 mL	100
EUC06111	EEC06111	100 mg/1 mL	100
EUC06123	EEC06123	200 mg/3 mL	50
EUC06153	EEC06153	500 mg/3 mL	50
EUC06156	EEC06156	500 mg/6 mL	50
EUC061M6	EEC061M6	1000 mg/6 mL	30
EUC0611Z	EEC0611Z	100 mg/10 mL	50
EUC0612Z	EEC0612Z	200 mg/10 mL	50
EUC0615Z	EEC0615Z	500 mg/10 mL	50
EUC0612M15	EEC0612M15	2000 mg/15 mL	20
EUC0615M25	EEC0615M25	5000 mg/25 mL	20
EUC06110M75	EEC06110M75	10000 mg/75 mL	10

% Organic Loading: 9.50

Application:

Removes large or more hydrophobic compounds.

C7, Heptyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC071L1	EEC071L1	50 mg/1 mL	100
EUC07111	EEC07111	100 mg/1 mL	100
EUC07123	EEC07123	200 mg/3 mL	50
EUC07153	EEC07153	500 mg/3 mL	50
EUC07156	EEC07156	500 mg/6 mL	50
EUC071M6	EEC071M6	1000 mg/6 mL	30
EUC0711Z	EEC0711Z	100 mg/10 mL	50
EUC0712Z	EEC0712Z	200 mg/10 mL	50
EUC0715Z	EEC0715Z	500 mg/10 mL	50
EUC0712M15	EEC0712M15	2000 mg/15 mL	20
EUC0715M25	EEC0715M25	5000 mg/25 mL	20
EUC07110M75	EEC07110M75	10000 mg/75 mL	10

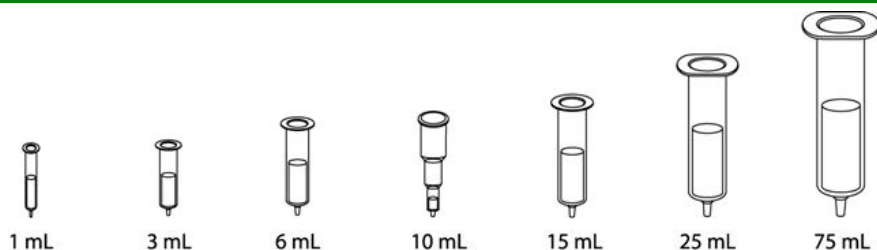
% Organic Loading: 15.70

Application:

Removes large or more hydrophobic compounds.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Hydrophobic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (20-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

C8, Octyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC081L1	EEC081L1	50 mg/1 mL	100
EUC08111	EEC08111	100 mg/1 mL	100
EUC08123	EEC08123	200 mg/3 mL	50
EUC08153	EEC08153	500 mg/3 mL	50
EUC08156	EEC08156	500 mg/6 mL	50
EUC081M6	EEC081M6	1000 mg/6 mL	30
EUC0811Z	EEC0811Z	100 mg/10 mL	50
EUC0812Z	EEC0812Z	200 mg/10 mL	50
EUC0815Z	EEC0815Z	500 mg/10 mL	50
EUC0812M15	EEC0812M15	2000 mg/15 mL	20
EUC0815M25	EEC0815M25	5000 mg/25 mL	20
EUC08110M75	EEC08110M75	10000 mg/75 mL	10

% Organic Loading: 15.70

Application:

Removes large or more hydrophobic compounds.

C10, nDecyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC101L1	EEC101L1	50 mg/1 mL	100
EUC10111	EEC10111	100 mg/1 mL	100
EUC10123	EEC10123	200 mg/3 mL	50
EUC10153	EEC10153	500 mg/3 mL	50
EUC10156	EEC10156	500 mg/6 mL	50
EUC101M6	EEC101M6	1000 mg/6 mL	30
EUC1011Z	EEC1011Z	100 mg/10 mL	50
EUC1012Z	EEC1012Z	200 mg/10 mL	50
EUC1015Z	EEC10115Z	500 mg/10 mL	50
EUC1012M15	EEC1012M15	2000 mg/15 mL	20
EUC1015M25	EEC1015M25	5000 mg/25 mL	20
EUC10110M75	EEC10110M75	10000 mg/75 mL	10

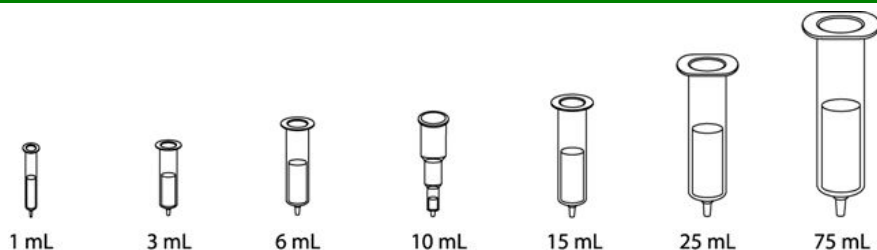
% Organic Loading: 15.70

Application:

Removes large or more hydrophobic compounds

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Hydrophobic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (20-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

C12, nDodecyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC121L1	EEC121L1	50 mg/1 mL	100
EUC12111	EEC12111	100 mg/1 mL	100
EUC12123	EEC12123	200 mg/3 mL	50
EUC12153	EEC12153	500 mg/3 mL	50
EUC12156	EEC12156	500 mg/6 mL	50
EUC121M6	EEC121M6	1000 mg/6 mL	30
EUC1211Z	EEC1211Z	100 mg/10 mL	50
EUC1212Z	EEC1212Z	200 mg/10 mL	50
EUC1215Z	EEC1215Z	500 mg/10 mL	50
EUC1212M15	EEC1212M15	2000 mg/15 mL	20
EUC1215M25	EEC1215M25	5000 mg/25 mL	20
EUC12110M75	EEC12110M75	10000 mg/75 mL	10

% Organic Loading: 15.70

Application:

Removes large or more hydrophobic compounds.

C18, Octadecyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC181L1	EEC181L1	50 mg/1 mL	100-
EUC18111	EEC18111	100 mg/1 mL	100
EUC18123	EEC18123	200 mg/3 mL	50
EUC18153	EEC18153	500 mg/3 mL	50
EUC18156	EEC18156	500 mg/6 mL	50
EUC181M6	EEC181M6	1000 mg/6 mL	30
EUC1811Z	EEC1811Z	100 mg/10 mL	50
EUC1812Z	EEC1812Z	200 mg/10 mL	50
EUC1815Z	EEC1815Z	500 mg/10 mL	50
EUC1812M15	EEC1812M15	2000 mg/15 mL	20
EUC1815M25	EEC1815M25	5000 mg/25 mL	20
EUC18110M75	EEC18110M75	10000 mg/75 mL	10

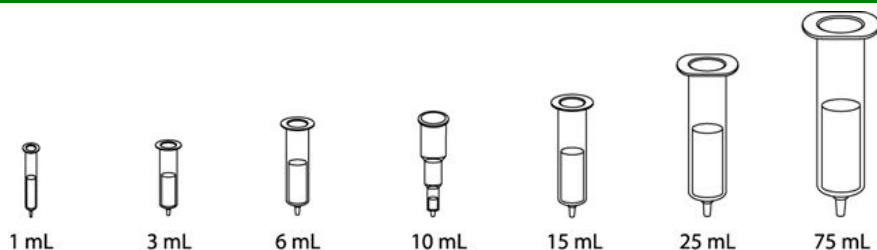
% Organic Loading: 21.70

Application:

Optimized for non polar analytes, including pesticides, PCBs, PAHs, and formaldehyde.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Hydrophobic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (20-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

C20, Eicosyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC201L1	EEC201L1	50 mg/1 mL	100
EUC20111	EEC20111	100 mg/1 mL	100
EUC20123	EEC20123	200 mg/3 mL	50
EUC20153	EEC20153	500 mg/3 mL	50
EUC20156	EEC20156	500 mg/6 mL	50
EUC201M6	EEC201M6	1000 mg/6 mL	30
EUC2011Z	EEC2011Z	100 mg/10 mL	50
EUC2012Z	EEC2012Z	200 mg/10 mL	50
EUC2015Z	EEC2015Z	500 mg/10 mL	50
EUC2012M15	EEC2012M15	2000 mg/15 mL	20
EUC2015M25	EEC2015M25	5000 mg/25 mL	20
EUC20110M75	EEC20110M75	10000 mg/75 mL	10

% Organic Loading: 24.30

Application:

Removes smallest or least hydrophobic compounds.

C30, Tricontyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC301L1	EEC301L1	50 mg/1 mL	100
EUC30111	EEC30111	100 mg/1 mL	100
EUC30123	EEC30123	200 mg/3 mL	50
EUC30153	EEC30153	500 mg/3 mL	50
EUC30156	EEC30156	500 mg/6 mL	50
EUC301M6	EEC301M6	1000 mg/6 mL	30
EUC3011Z	EEC3011Z	100 mg/10 mL	50
EUC3012Z	EEC3012Z	200 mg/10 mL	50
EUC3015Z	EEC3015Z	500 mg/10 mL	50

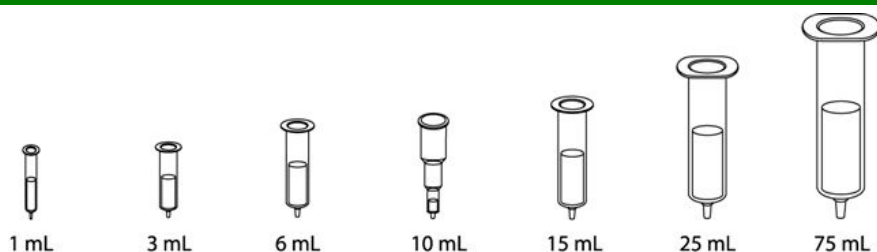
% Organic Loading: 26.00

Application:

Removes smallest or least hydrophobic compounds.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Hydrophobic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (20-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

Cyclohexyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCYH1L1	EECYH1L1	50 mg/1 mL	100
EUCYH111	EECYH111	100 mg/1 mL	100
EUCYH123	EECYH123	200 mg/3 mL	50
EUCYH153	EECYH153	500 mg/3 mL	50
EUCYH156	EECYH156	500 mg/6 mL	50
EUCYH1M6	EECYH1M6	1000 mg/6 mL	30
EUCYH11Z	EECYH11Z	100 mg/10 mL	50
EUCYH12Z	EECYH12Z	200 mg/10 mL	50
EUCYH15Z	EECYH15Z	500 mg/10 mL	50
EUCYH12M15	EECYH12M15	2000 mg/15 mL	20
EUCYH15M25	EECYH15M25	5000 mg/25 mL	20
EUCYH110M75	EECYH110M75	10000 mg/75 mL	10

% Organic Loading: 11.60

Application:
 Scavenger for phenolic compounds.

Phenyl

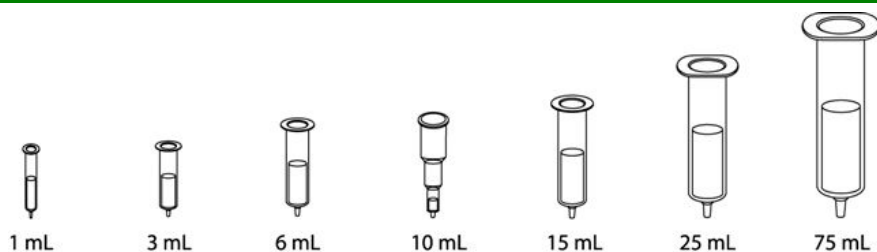
Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUPHY1L1	EEPHY1L1	50mg / 1mL	100
EUPHY111	EEPHY111	100mg / 1mL	100
EUPHY123	EEPHY123	200mg / 3mL	50
EUPHY153	EEPHY153	500mg / 3mL	50
EUPHY156	EEPHY156	500mg / 6mL	50
EUPHY1M6	EEPHY1M6	1g / 6mL	30
EUPHY11Z	EEPHY11Z	100mg / 10mL	50
EUPHY12Z	EEPHY12Z	200mg / 10mL	50
EUPHY15Z	EEPHY15Z	500mg / 10mL	50
EUPHY12M15	EEPHY12M15	2g / 15mL	20
EUPHY15M25	EEPHY15M25	5g / 25mL	20
EUPHY110M75	EEPHY110M75	10g / 75mL	10

% Organic Loading: 11.00

Application:
 Scavenger for polar compounds.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Hydrophilic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

Florisil® PR

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUFLS1L1	—	50 mg/1 mL	100
EUFLS111	—	100 mg/1 mL	100
EUFLS123	—	200 mg/3 mL	50
EUFLS153	—	500 mg/3 mL	50
EUFLS156	—	500 mg/6 mL	50
EUFLS1M6	—	1000 mg/6 mL	30
EUFLS11Z	—	100 mg/10 mL	50
EUFLS12Z	—	200 mg/10 mL	50
EUFLS15Z	—	500 mg/10 mL	50
EUFLS12M15	—	2000 mg/15 mL	20
EUFLS15M25	—	5000 mg/25 mL	20
EUFLS110M75	—	10000 mg/75 mL	10

% Organic Loading: N/A

Application:

Removes polar type compounds.

Florisil® is a registered trademark of U.S. Silica

Alumina Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUALA1L1	—	50 mg/1 mL	100
EUALA11	—	100 mg/1 mL	100
EUALA123	—	200 mg/3 mL	50
EUALA153	—	500 mg/3 mL	50
EUALA156	—	500 mg/6 mL	50
EUALA1M6	—	1000 mg/6 mL	30
EUALA11Z	—	100 mg/10 mL	50
EUALA12Z	—	200 mg/10 mL	50
EUALA15Z	—	500 mg/10 mL	50
EUALA12M15	—	2000 mg/15 mL	20
EUALA15M25	—	5000 mg/25 mL	20
EUALA110M75	—	10000 mg/75 mL	10

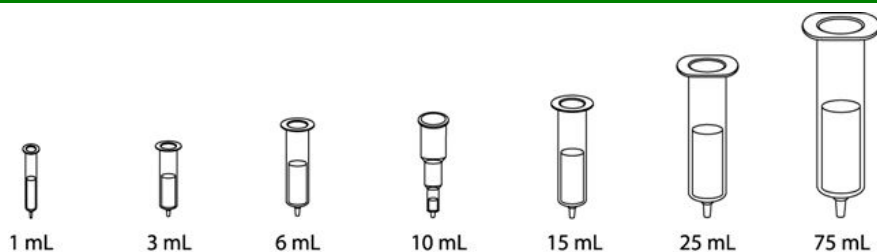
% Organic Loading: N/A

Application:

Removes polar type compounds.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Hydrophilic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

Alumina Base

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUALB1L1	—	50 mg/1 mL	100
EUALB111	—	100 mg/1 mL	100
EUALB123	—	200 mg/3 mL	50
EUALB153	—	500 mg/3 mL	50
EUALB156	—	500 mg/6 mL	50
EUALB1M6	—	1000 mg/6 mL	30
EUALB11Z	—	100 mg/10 mL	50
EUALB12Z	—	200 mg/10 mL	50
EUALB15Z	—	500 mg/10 mL	50
EUALB12M15	—	2000 mg/15 mL	20
EUALB15M25	—	5000 mg/25 mL	20
EUALB110M75	—	10000 mg/75 mL	10

% Organic Loading: N/A

Application:

Removes polar type compounds.

Alumina Neutral

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUALN1L1	—	50 mg/1 mL	100
EUALN111	—	100 mg/1 mL	100
EUALN123	—	200 mg/3 mL	50
EUALN153	—	500 mg/3 mL	50
EUALN156	—	500 mg/6 mL	50
EUALN1M6	—	1000 mg/6 mL	30
EUALN11Z	—	100 mg/10 mL	50
EUALN12Z	—	200 mg/10 mL	50
EUALN15Z	—	500 mg/10 mL	50
EUALN12M15	—	2000 mg/15 mL	20
EUALN15M25	—	5000 mg/25 mL	20
EUALN110M75	—	10000 mg/75 mL	10

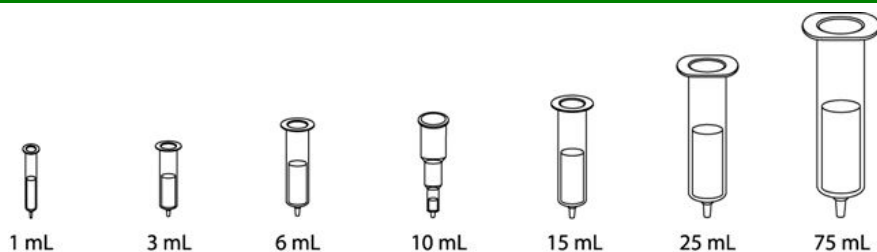
% Organic Loading: N/A

Application:

Removes polar type compounds.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Hydrophilic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

CN, Cyanopropyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCNP1L1	EECNP1L1	50 mg/1 mL	100
EUCNP111	EECNP111	100 mg/1 mL	100
EUCNP123	EECNP123	200 mg/3 mL	50
EUCNP153	EECNP153	500 mg/3 mL	50
EUCNP156	EECNP156	500 mg/6 mL	50
EUCNP1M6	EECNP1M6	1000 mg/6 mL	30
EUCNP11Z	EECNP11Z	100 mg/10 mL	50
EUCNP12Z	EECNP12Z	200 mg/10 mL	50
EUCNP15Z	EECNP15Z	500 mg/10 mL	50
EUCNP12M15	EECNP12M15	2000 mg/15 mL	20
EUCNP15M25	EECNP15M25	5000 mg/25 mL	20
EUCNP110M75	EECNP110M75	10000 mg/75 mL	10

% Organic Loading: 6.90

Application:

Removes steroid type compounds.

Diol

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUDOL1L1	—	50mg/1mL	100
EUDOL111	—	100mg/1mL	100
EUDOL123	—	200mg/3mL	50
EUDOL153	—	500mg/3mL	50
EUDOL156	—	500mg/6mL	50
EUDOL1M6	—	1g/6mL	30
EUDOL11Z	—	100mg/10mL	50
EUDOL12Z	—	200mg/10mL	50
EUDOL15Z	—	500mg/10mL	50
EUDOL12M15	—	2g/15mL	20
EUDOL15M25	—	5g/25mL	20
EUDOL110M75	—	10g/75mL	10

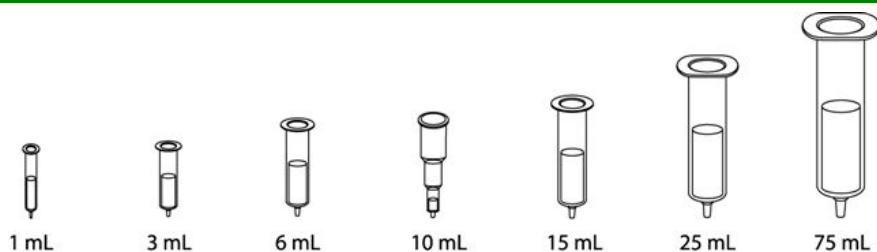
% Organic Loading: 8.00

Application:

Removes hydrophilic (polar) impurities, purification of hydrophilic (polar) compounds.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Hydrophilic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

Unbonded Silica (Acid Washed)

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUSIL1L1	—	50 mg/1 mL	20 x 5
EUSIL111	—	100 mg/1 mL	20 x 5
EUSIL123	—	200 mg/3 mL	10 x 5
EUSIL153	—	500 mg/3 mL	10 x 5
EUSIL156	—	500 mg/6 mL	10 x 5
EUSIL1M6	—	1000 mg/6 mL	6 x 5
EUSIL11Z	—	100 mg/10 mL	10 x 5
EUSIL12Z	—	200 mg/10 mL	10 x 5
EUSIL15Z	—	500 mg/10 mL	10 x 5
EUSIL12M15	—	2000 mg/15 mL	4 x 5
EUSIL15M25	—	5000 mg/25 mL	4 x 5
EUSIL110M75	—	10000 mg/75 mL	2 x 5

% Organic Loading: N/A

Application:

Removes hydrophilic (polar) impurities, purification of hydrophilic (polar) compounds.

High-Surface Activity Silica

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EPHSIL1L1	—	50 mg/1 mL	20 x 5
EPHSIL111	—	100 mg/1 mL	20 x 5
EPHSIL123	—	200 mg/3 mL	10 x 5
EPHSIL153	—	500 mg/3 mL	10 x 5
EPHSIL156	—	500 mg/6 mL	10 x 5
EPHSIL1M6	—	1000 mg/6 mL	6 x 5
EPHSIL11Z	—	100 mg/10 mL	10 x 5
EPHSIL12Z	—	200 mg/10 mL	10 x 5
EPHSIL15Z	—	500 mg/10 mL	10 x 5
EPHSIL12M15	—	2000 mg/15 mL	4 x 5
EPHSIL15M25	—	5000 mg/25 mL	4 x 5
EPHSIL110M75	—	10000 mg/75 mL	2 x 5

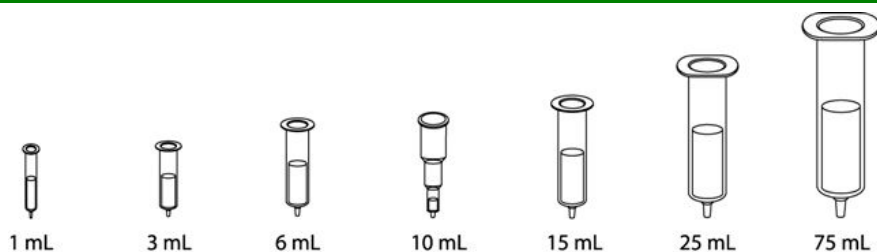
% Organic Loading: N/A

Application:

Removes hydrophilic (polar) impurities, purification of hydrophilic (polar) compounds.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Hydrophilic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

PSA (n-2, Aminoethyl)

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUPSA1L1	—	50 mg/1 mL	100
EUPSA111	—	100 mg/1 mL	100
EUPSA123	—	200 mg/3 mL	50
EUPSA153	—	500 mg/3 mL	50
EUPSA156	—	500 mg/6 mL	50
EUPSA1M6	—	1000 mg/6 mL	30
EUPSA11Z	—	100 mg/10 mL	50
EUPSA12Z	—	200 mg/10 mL	50
EUPSA15Z	—	500 mg/10 mL	50
EUPSA12M15	—	2000 mg/15 mL	20
EUPSA15M25	—	5000 mg/25 mL	20
EUPSA110M75	—	10000 mg/75 mL	10

% Organic Loading: 11.00

Application:

Scavenger for acids, cyclic compounds, cholesterol, and other lipid type compounds.

Carbon - Graphitized, Non-Porous, 120/400 Mesh

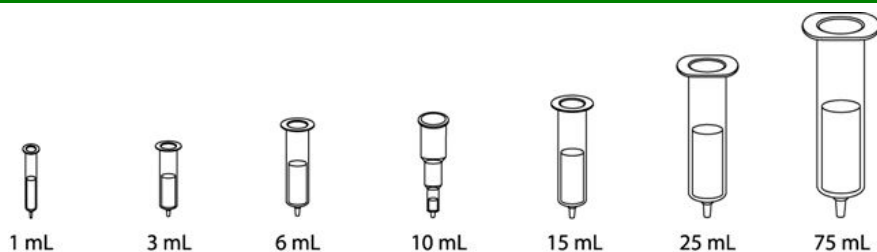
Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCARB1L1	—	50 mg/1 mL	100
EUCARB111	—	100 mg/1 mL	100
EUCARB123	—	200 mg/3 mL	50
EUCARB153	—	500 mg/3 mL	50
EUCARB126	—	200 mg/6 mL	50
EUCARB156	—	500 mg/6 mL	50
EUCARB1M6	—	1000 mg/6 mL	30
EUCARB11Z	—	100 mg/10 mL	50
EUCARB12Z	—	200 mg/10 mL	50
EUCARB15Z	—	500 mg/10 mL	50
EUCARB1M15	—	1000 mg/15 mL	20
EUCARB12M15	—	2000 mg/15 mL	20

CLEAN-UP® Carbon

Carbon supports have been used to isolate extremely polar organic compounds. They work by an adsorption mechanism with a high surface area and ion exchange. This interaction can happen in a wide range of polar and non-polar solvents.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Anion Exchange Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (20-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

Diethylamino

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUDAX1L1	—	50 mg/1 mL	100
EUDAX111	—	100 mg/1 mL	100
EUDAX123	—	200 mg/3 mL	50
EUDAX153	—	500 mg/3 mL	50
EUDAX156	—	500 mg/6 mL	50
EUDAX1M6	—	1000 mg/6 mL	30
EUDAX11Z	—	100 mg/10 mL	50
EUDAX12Z	—	200 mg/10 mL	50
EUDAX15Z	—	500 mg/10 mL	50
EUDAX12M15	—	2000 mg/15 mL	20
EUDAX15M25	—	5000 mg/25 mL	20
EUDAX110M75	—	10000 mg/75 mL	10

% Organic Loading: 21.70

Application:

Removes hydrophobic impurities, de-salting and purification of hydrophobic compounds.

Quaternary Amine with Chloride Counter Ion

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUQAX1L1	—	50 mg/1 mL	100
EUQAX111	—	100 mg/1 mL	100
EUQAX123	—	200 mg/3 mL	50
EUQAX153	—	500 mg/3 mL	50
EUQAX156	—	500 mg/6 mL	50
EUQAX1M6	—	1000 mg/6 mL	30
EUQAX11Z	—	100 mg/10 mL	50
EUQAX12Z	—	200 mg/10 mL	50
EUQAX15Z	—	500 mg/10 mL	50
EUQAX12M15	—	2000 mg/15 mL	20
EUQAX15M25	—	5000 mg/25 mL	20
EUQAX110M75	—	10000 mg/75 mL	10

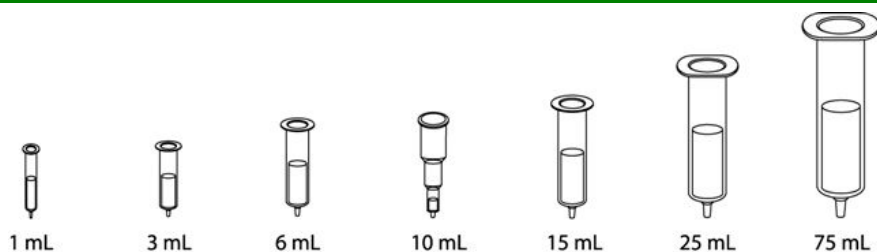
% Organic Loading: 8.40

Application:

Scavenger for acids and sulfonyl chlorides, isocyanates and weak electrophiles.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Anion Exchange Product Guide



Chemicals are offered in the following particle sizes:

- Small Particle (5-20 μm)
- Intermediate Particle (20-40 μm)
- Standard Particle (40-60 μm)
- Large Particle (125-210 μm)

Quaternary Amine with Acetate Counter Ion

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EAQAX111	—	100 mg/1 mL	100
EAQAX123	—	200 mg/3 mL	50
EAQAX153	—	500 mg/3 mL	50
EAQAX156	—	500 mg/6 mL	50
EAQAX1M6	—	1000 mg/6 mL	30
EAQAX11Z	—	100 mg/10 mL	50
EAQAX12Z	—	200 mg/10 mL	50
EAQAX15Z	—	500 mg/10 mL	50
EAQAX12M15	—	2000 mg/15 mL	20
EAQAX15M25	—	5000 mg/25 mL	20
EAQAX110M75	—	10000 mg/75 mL	10

% Organic Loading: 8.40

Application:

Scavenger for acids and sulfonyl chlorides, isocyanates and weak electrophiles. Useful when charge on ion being removed is weaker than the acetate counter ion.

Quaternary Amine with Hydroxide Counter Ion

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EHQAX111	—	100 mg/1 mL	100
EHQAX123	—	200 mg/3 mL	50
EHQAX153	—	500 mg/3 mL	50
EHQAX156	—	500 mg/6 mL	50
EHQAX1M6	—	1000 mg/6 mL	30
EHQAX11Z	—	100 mg/10 mL	50
EHQAX12Z	—	200 mg/10 mL	50
EHQAX15Z	—	500 mg/10 mL	50
EHQAX12M15	—	2000 mg/15 mL	20
EHQAX15M25	—	5000 mg/25 mL	20
EHQAX110M75	—	10000 mg/75 mL	10

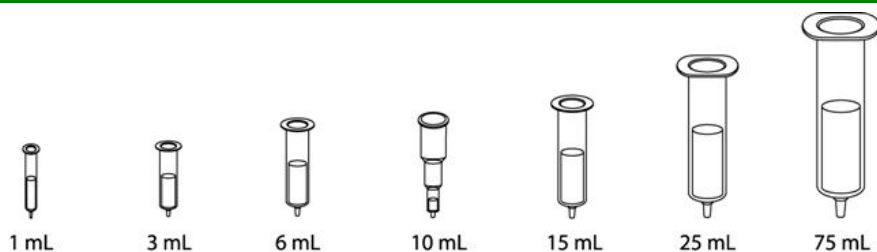
% Organic Loading: 8.40

Application:

Scavenger for acids and sulfonyl chlorides, isocyanates and weak electrophiles. Useful when charge on ion being removed is weaker than the hydroxide counter ion.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Anion Exchange Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (20-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

Quaternary Amine with Formate Counter Ion

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EFQAX1L1	—	50 mg/1 mL	100
EFQAX111	—	100 mg/1 mL	100
EFQAX123	—	200 mg/3 mL	50
EFQAX153	—	500 mg/3 mL	50
EFQAX156	—	500 mg/6 mL	50
EFQAX1M6	—	1000 mg/6 mL	30
EFQAX11Z	—	100 mg/10 mL	50
EFQAX12Z	—	200 mg/10 mL	50
EFQAX15Z	—	500 mg/10 mL	50
EFQAX12M15	—	2000 mg/15 mL	20
EFQAX15M25	—	5000 mg/25 mL	20
EFQAX110M75	—	10000 mg/75 mL	10

% Organic Loading: 8.40

Application:

Scavenger for acids and sulfonyl chlorides, isocyanates and weak electrophiles. Useful when charge on ion being removed is weaker than the formate counter ion.

Polyimine

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUPAX11	—	50 mg/1 mL	100
EUPAX111	—	100 mg/1 mL	100
EUPAX123	—	200 mg/3 mL	50
EUPAX153	—	500 mg/3 mL	50
EUPAX156	—	500 mg/6 mL	50
EUPAX1M6	—	1000 mg/6 mL	30
EUPAX11Z	—	100 mg/10 mL	50
EUPAX12Z	—	200 mg/10 mL	50
EUPAX15Z	—	500 mg/10 mL	50
EUPAX12M15	—	2000 mg/15 mL	20
EUPAX15M25	—	5000 mg/25 mL	20
EUPAX110M75	—	10000 mg/75 mL	10

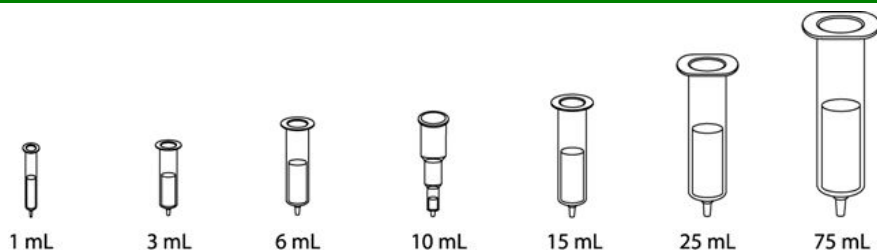
% Organic Loading: 21.70

Application:

Removes hydrophobic impurities, de-salting and purification of hydrophobic compounds.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Cation Exchange Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
Intermediate Particle (20-40 μm)
Standard Particle (40-60 μm)
Large Particle (125-210 μm)

Carboxylic Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCCX1L1	—	50 mg/1 mL	100
EUCCX111	—	100 mg/1 mL	100
EUCCX123	—	200 mg/3 mL	50
EUCCX153	—	500 mg/3 mL	50
EUCCX156	—	500 mg/6 mL	50
EUCCX1M6	—	1000 mg/6 mL	30
EUCCX11Z	—	100 mg/10 mL	50
EUCCX12Z	—	200 mg/10 mL	50
EUCCX15Z	—	500 mg/10 mL	50
EUCCX12M15	—	2000 mg/15 mL	20
EUCCX15M25	—	5000 mg/25 mL	20
EUCCX15M275	—	10000 mg/75 mL	10

% Organic Loading: 9.10

Application:

Scavenger for strong amines with quats.

Propylsulfonic Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUPCX1L1	—	50 mg/1 mL	100
EUPCX111	—	100 mg/1 mL	100
EUPCX123	—	200 mg/3 mL	50
EUPCX153	—	500 mg/3 mL	50
EUPCX156	—	500 mg/6 mL	50
EUPCX1M6	—	1000 mg/6 mL	30
EUPCX11Z	—	100 mg/10 mL	50
EUPCX12Z	—	200 mg/10 mL	50
EUPCX15Z	—	500 mg/10 mL	50
EUPCX12M15	—	2000 mg/15 mL	20
EUPCX15M25	—	5000 mg/25 mL	20
EUPCX110M75	—	10000 mg/75 mL	10

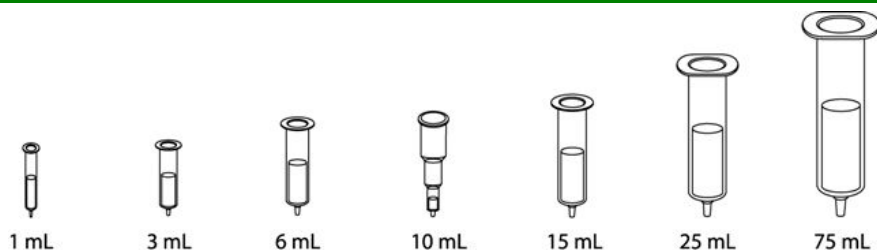
% Organic Loading: 7.10

Application:

Scavenger for amines, alcohols and other nucleophiles.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Cation Exchange Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
Intermediate Particle (20-40 μm)
Standard Particle (40-60 μm)
Large Particle (125-210 μm)

Benzenesulfonic Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUBCX1L1	—	50 mg/1 mL	100
EUBCX111	—	100 mg/1 mL	100
EUBCX123	—	200 mg/3 mL	50
EUBCX153	—	500 mg/3 mL	50
EUBCX156	—	500 mg/6 mL	50
EUBCX1M6	—	1000 mg/6 mL	30
EUBCX11Z	—	100 mg/10 mL	50
EUBCX12Z	—	200 mg/10 mL	50
EUBCX15Z	—	500 mg/10 mL	50
EUBCX12M15	—	2000 mg/15 mL	20
EUBCX15M25	—	5000 mg/25 mL	20
EUBCX110M75	—	10000 mg/75 mL	10

% Organic Loading: 11.00

Application:

Scavenger for amines, alcohols and other nucleophiles.

Benzenesulfonic Acid – High Load

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUBCX1HL11	—	100 mg/1 mL	100
EUBCX1HL23	—	200 mg/3 mL	50
EUBCX1HL53	—	500 mg/3 mL	50
EUBCX1HL56	—	500 mg/6 mL	50
EUBCX1HLM6	—	1000 mg/6 mL	30
EUBCX1HL1Z	—	100 mg/10 mL	50
EUBCX1HL2Z	—	200 mg/10 mL	50
EUBCX1HL5Z	—	500 mg/10 mL	50
EUBCX1HL2M15	—	2000 mg/15 mL	20
EUBCX1HL5M25	—	5000 mg/25 mL	20
EUBCX1HL10M75	—	10000 mg/75 mL	10

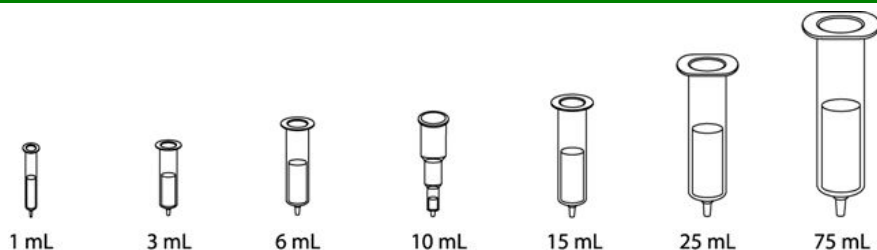
% Organic Loading: 15.00

Application:

Scavenger for amines, alcohols and other nucleophiles.

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Cation Exchange Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
Intermediate Particle (20-40 μm)
Standard Particle (40-60 μm)
Large Particle (125-210 μm)

Triacetic Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUTAX1L1	—	50 mg/1 mL	100
EUTAX111	—	100 mg/1 mL	100
EUTAX123	—	200 mg/3 mL	50
EUTAX153	—	500 mg/3 mL	50
EUTAX156	—	500 mg/6 mL	50
EUTAX1M6	—	1000 mg/6 mL	30
EUTAX11Z	—	100 mg/10 mL	50
EUTAX12Z	—	200 mg/10 mL	50
EUTAX15Z	—	500 mg/10 mL	50
EUTAX12M15	—	2000 mg/15 mL	20
EUTAX15M25	—	5000 mg/25 mL	20
EUTAX110M75	—	10000 mg/75 mL	10

% Organic Loading: 7.61

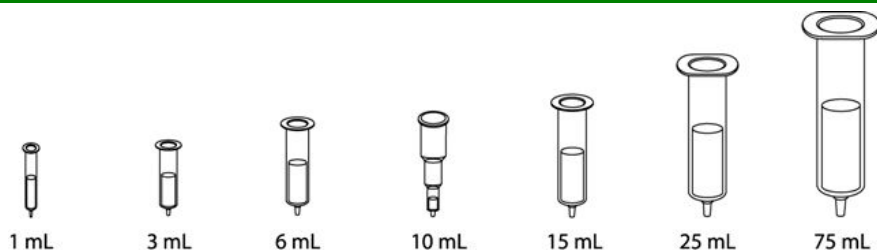
Application:

Chelator for metal ions.

i.e. tin
 palladium
 copper
 ruthenium
 chromium
 nickel

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Copolymeric Product Guide



Chemicals are offered in the following particle sizes:

- Small Particle (5-20 μm)
- Intermediate Particle (20-40 μm)
- Standard Particle (40-60 μm)
- Large Particle (125-210 μm)

Hydrophobic Plus Cyclohexyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCYH211	—	100 mg/1 mL	100
EUCYH223	—	200 mg/3 mL	50
EUCYH253	—	500 mg/3 mL	50
EUCYH256	—	500 mg/6 mL	50
EUCYH2M6	—	1000 mg/6 mL	30
EUCYH21Z	—	100 mg/10 mL	50
EUCYH22Z	—	200 mg/10 mL	50
EUCYH25Z	—	500 mg/10 mL	50
EUCYH22M15	—	2000 mg/15 mL	20
EUCYH25M25	—	5000 mg/25 mL	20
EUCYH210M75	—	10000 mg/75 mL	10

% Organic Loading: N/A

Application:

Dual functionality for phenols and hydrophobic compounds

Hydrophobic Plus Cyanopropyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCNP211	—	100 mg/1 mL	100
EUCNP223	—	200 mg/3 mL	50
EUCNP253	—	500 mg/3 mL	50
EUCNP256	—	500 mg/6 mL	50
EUCNP2M6	—	1000 mg/6 mL	30
EUCNP21Z	—	100 mg/10 mL	50
EUCNP22Z	—	200 mg/10 mL	50
EUCNP25Z	—	500 mg/10 mL	50
EUCNP22M15	—	2000 mg/15 mL	20
EUCNP25M25	—	5000 mg/25 mL	20
EUCNP210M75	—	10000 mg/75 mL	10

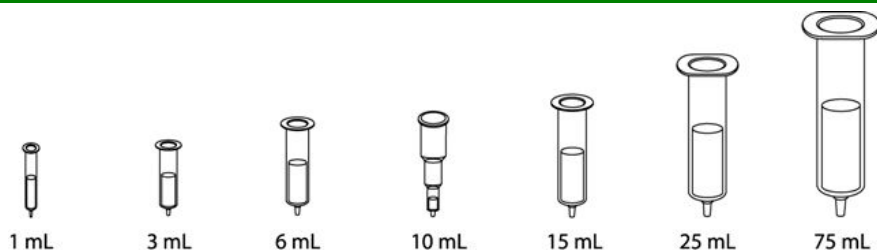
% Organic Loading: 14.60

Application:

Dual functionality for polar and hydrophobic compounds

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Copolymeric Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
Intermediate Particle (20-40 μm)
Standard Particle (40-60 μm)
Large Particle (125-210 μm)

Hydrophobic Plus Propylsulfonic Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUPCX2L1	—	50 mg/1 mL	100
EUPCX211	—	100 mg/1 mL	100
EUPCX223	—	200 mg/3 mL	50
EUPCX253	—	500 mg/3 mL	50
EUPCX256	—	500 mg/6 mL	50
EUPCX2M6	—	1000 mg/6 mL	30
EUPCX21Z	—	100 mg/10 mL	50
EUPCX22Z	—	200 mg/10 mL	50
EUPCX25Z	—	500 mg/10 mL	50
EUPCX22M15	—	2000 mg/15 mL	20
EUPCX25M25	—	5000 mg/25 mL	20
EUPCX210M75	—	10000 mg/75 mL	10

% Organic Loading: 14.62

Application:

Dual functionality for weak bases and hydrophobic compounds

Hydrophobic Plus Carboxylic Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCCX2L1	—	50 mg/1 mL	100
EUCCX211	—	100 mg/1 mL	100
EUCCX223	—	200 mg/3 mL	50
EUCCX253	—	500 mg/3 mL	50
EUCCX256	—	500 mg/6 mL	50
EUCCX2M6	—	1000 mg/6 mL	30
EUCCX21Z	—	100 mg/10 mL	50
EUCCX22Z	—	200 mg/10 mL	50
EUCCX25Z	—	500 mg/10 mL	50
EUCCX22M15	—	2000 mg/15 mL	20
EUCCX25M25	—	5000 mg/25 mL	20
EUCCX210M75	—	10000 mg/75 mL	10

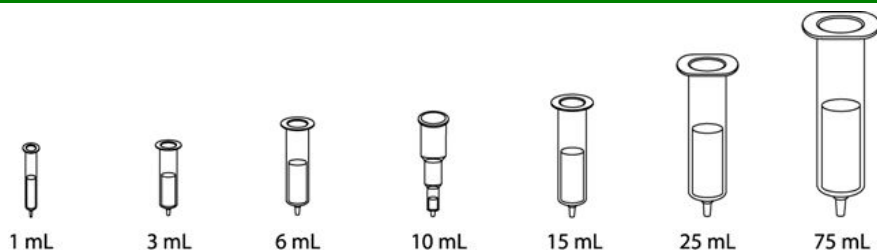
% Organic Loading: 12.50

Application:

Dual functionality for strong base and hydrophobic compounds

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Copolymeric Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
Intermediate Particle (20-40 μm)
Standard Particle (40-60 μm)
Large Particle (125-210 μm)

Hydrophobic Plus Benzenesulfonic Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUBCX2L1	—	50 mg/1 mL	100
EUBCX211	—	100 mg/1 mL	100
EUBCX223	—	200 mg/3 mL	50
EUBCX253	—	500 mg/3 mL	50
EUBCX256	—	500 mg/6 mL	50
EUBCX2M6	—	1000 mg/6 mL	30
EUBCX21Z	—	100 mg/10 mL	50
EUBCX22Z	—	200 mg/10 mL	50
EUBCX25Z	—	500 mg/10 mL	50
EUBCX22M15	—	2000 mg/15 mL	20
EUBCX25M25	—	5000 mg/25 mL	20
EUBCX210M75	—	10000 mg/75 mL	10

% Organic Loading: 12.30

Application:

Dual functionality for weak bases and hydrophobic compounds

Hydrophobic Plus Quaternary Amine

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUQAX2L1	—	50 mg/1 mL	100
EUQAX211	—	100 mg/1 mL	100
EUQAX223	—	200 mg/3 mL	50
EUQAX253	—	500 mg/3 mL	50
EUQAX256	—	500 mg/6 mL	50
EUQAX2M6	—	1000 mg/6 mL	30
EUQAX21Z	—	100 mg/10 mL	50
EUQAX22Z	—	200 mg/10 mL	50
EUQAX25Z	—	500 mg/10 mL	50
EUQAX22M15	—	2000 mg/15 mL	20
EUQAX25M25	—	5000 mg/25 mL	20
EUQAX210M75	—	10000 mg/75 mL	10

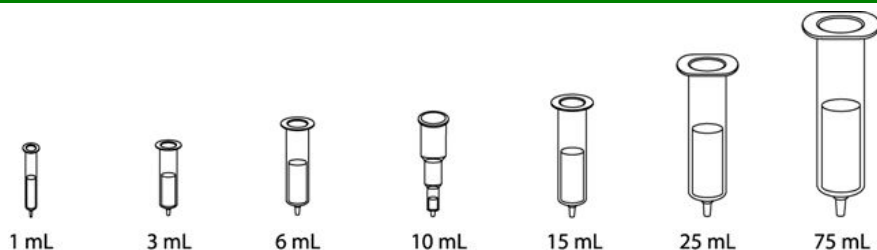
% Organic Loading: 13.60

Application:

Dual functionality for weak acids and hydrophobic compounds

ENVIRO-CLEAN® Solid Phase Extraction Cartridges

Copolymeric Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
Intermediate Particle (20-40 μm)
Standard Particle (40-60 μm)
Large Particle (125-210 μm)

Hydrophobic Plus Aminopropyl

Part Number Unendcapped	Part Number Endcapped	Amt. Sorbent/Tube Vol.	Units
EUNAX2L1	—	50 mg/1 mL	100
EUNAX211	—	100 mg/1 mL	100
EUNAX223	—	200 mg/3 mL	50
EUNAX253	—	500 mg/3 mL	50
EUNAX256	—	500 mg/6 mL	50
EUNAX2M6	—	1000 mg/6 mL	30
EUNAX21Z	—	100 mg/10 mL	50
EUNAX22Z	—	200 mg/10 mL	50
EUNAX25Z	—	500 mg/10 mL	50
EUNAX22M15	—	2000 mg/15 mL	20
EUNAX25M25	—	5000 mg/25 mL	20
EUNAX210M75	—	10000 mg/75 mL	10

% Organic Loading: 12.30

Application:

Dual functionality for strong acids and hydrophobic compounds

Aminopropyl

Part Number Unendcapped	Part Number Endcapped	Amt. Sorbent/Tube Vol.	Units
EUNAX1L1	—	50 mg/1 mL	100
EUNAX111	—	100 mg/1 mL	100
EUNAX123	—	200 mg/3 mL	50
EUNAX153	—	500 mg/3 mL	50
EUNAX156	—	500 mg/6 mL	50
EUNAX1M6	—	1000 mg/6 mL	30
EUNAX11Z	—	100 mg/10 mL	50
EUNAX12Z	—	200 mg/10 mL	50
EUNAX15Z	—	500 mg/10 mL	50
EUNAX12M15	—	2000 mg/15 mL	20
EUNAX15M25	—	5000 mg/25 mL	10
EUNAX110M75	—	10000 mg/75 mL	10

% Organic Loading: 21.70

Application:

Removes hydrophobic impurities, de-salting and purification of hydrophobic compounds.

ENVIRO-CLEAN®

Inert Glass Syringe Barrels

Environmental Phase Cartridges



Environmental Phases Offered:

- Hydrophobic
- Hydrophilic
- Ion Exchange
- Copolymeric
- Empty Tubes and Frits
- Custom Orders Available

ENVIRO-CLEAN®

Inert Glass Syringe Barrels

ENVIRO-CLEAN® solid phase extraction cartridges are designed especially for the isolation and separation of environmental analytes such as pesticides, herbicides, polyaromatic hydrocarbons, polychlorinated biphenyls and other environmentally related compounds.

ENVIRO-CLEAN® offers a selection of high quality solid phase extraction cartridges geared to support the environmental chemist with a very broad range of analytical applications. The most important function of the solid phase extraction cartridge for the environmental chemist is the clean separation of an analyte from a variety of compounds. An important function of the extraction cartridge is that it will concentrate a low level of analyte from large samples for accurate analysis. When evaluating analyte extraction or separation, ENVIRO-CLEAN® offers non-polar, polar, ion-exchange and copolymeric phases for application in the environmental laboratory.

Non-polar phases are often referred to as hydrophobic and function by the interactions of the carbon-hydrogen bond of the analyte and the sorbent. C18 is the most widely used of these phases. EPA approved methods for analyzing organics in drinking water specify the C18 hydrophobic phase.

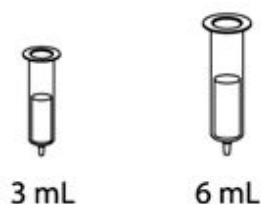
This method requires that large sample volumes (liters) be analyzed which utilizes the compound concentration function of the hydrophobic sorbent.

Polar or hydrophilic phases function by hydrogen bonding, pi-pi, and dipole-dipole interaction. Ion-exchange interactions occur between the sorbent and the analyte of opposite charge. ENVIRO-CLEAN® sorbents are available in either cation or anion exchangers exhibiting both weak and strong characteristics.

Copolymeric phases offer a new approach to the environmental analyst by providing very clean extracts and high compound recovery. Dual functionalities, hydrophobic plus ion-exchange or polar allow a higher degree of selectivity than was previously possible. Analytes retained by multiple mechanisms can be washed by disrupting only one mechanism. Careful selection of the solvent strength results in a greater removal of chromatographic contamination.

Inert Glass Syringe Barrels - SPE Cartridges

Hydrophobic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

C2, Ethyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC02113G	EEC02113G	100mg / 3mL	30
EUC02123G	EEC02123G	200mg / 3mL	30
EUC02153G	EEC02153G	500mg / 3mL	30
EUC02156G	EEC02156G	500mg / 6mL	30
EUC021M6G	EEC021M6G	1000mg / 6mL	30

% Organic Loading: 6.60

Application:
 Removes large or more hydrophobic compounds.

C3, Propyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCn3113G	EECn3113G	100mg / 3mL	30
EUCn3123G	EECn3123G	200mg / 3mL	30
EUCn3153G	EECn3153G	500mg / 3mL	30
EUCn3156G	EECn3156G	500mg / 6mL	30
EUCn31M6G	EECn31M6G	1000mg / 6mL	30

% Organic Loading: 7.60

Application:
 Removes large or more hydrophobic compounds.

Cn4, Butyl

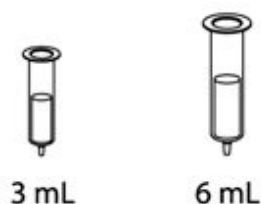
Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCn4113G	EECn4113G	100mg / 3mL	30
EUCn4123G	EECn4123G	200mg / 3mL	30
EUCn4153G	EECn4153G	500mg / 3mL	30
EUCn4156G	EECn4156G	500mg / 6mL	30
EUCn41M6G	EECn41M6G	1000mg / 6mL	30

% Organic Loading: 8.50

Application:
 Removes large or more hydrophobic compounds.

Inert Glass Syringe Barrels - SPE Cartridges

Hydrophobic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

Ci4, Isobutyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCi4113G	EECi4113G	100mg / 3mL	30
EUCi4123G	EECi4123G	200mg / 3mL	30
EUCi4153G	EECi4153G	500mg / 3mL	30
EUCi4156G	EECi4156G	500mg / 6mL	30
EUCi41M6G	EECi41M6G	1000mg / 6mL	30

% Organic Loading: 8.80

Application:

Removes large or more hydrophobic compounds.

Ct4, Tertiary Butyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCt4113G	EECt4113G	100mg / 3mL	30
EUCt4123G	EECt4123G	200mg / 3mL	30
EUCt4153G	EECt4153G	500mg / 3mL	30
EUCt4156G	EECt4156G	500mg / 6mL	30
EUCt41M6G	EECt41M6G	1000mg / 6mL	30

% Organic Loading: 8.50

Application:

Removes large or more hydrophobic compounds

C5, Pentyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC05113G	EE05113G	100mg / 3mL	30
EUC05123G	EEC05123G	200mg / 3mL	30
EUC05153G	EE05153G	500mg / 3mL	30
EUC05156G	EEC05156G	500mg / 6mL	30
EUC051M6G	EEC051M6G	1000mg / 6mL	30

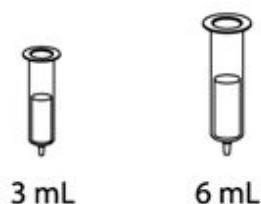
% Organic Loading: 9.50

Application:

Removes large or more hydrophobic compounds.

Inert Glass Syringe Barrels - SPE Cartridges

Hydrophobic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

C6, Hexyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC06113G	EEC06113G	100mg / 3Ml	30
EUC06123G	EEC06123G	200mg / 3mL	30
EUC06153G	EEC06153G	500mg / 3mL	30
EUC06156G	EEC06156G	500mg / 6mL	30
EUC061M6G	EEC061M6G	1000mg / 6mL	30

% Organic Loading: 11.00

Application:

Removes large or more hydrophobic compounds.

C7, Heptyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC07113G	EEC07113G	100mg / 3Ml	30
EUC07123G	EEC07123G	200mg / 3mL	30
EUC07153G	EEC07153G	500mg / 3mL	30
EUC07156G	EEC07156G	500mg / 6mL	30
EUC071M6G	EEC071M6G	1000mg / 6mL	30

% Organic Loading:
NOT TESTED

Application: Removes large or more hydrophobic compounds.

C8, Octyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC08113G	EEC08113G	100mg / 3Ml	30
EUC08123G	EEC08123G	200mg / 3mL	30
EUC08153G	EEC08153G	500mg / 3mL	30
EUC08156G	EEC08156G	500mg / 6mL	30
EUC081M6G	EEC081M6G	1000mg / 6mL	30

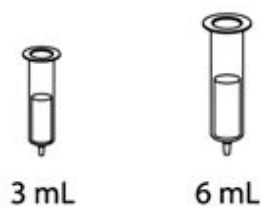
% Organic Loading: 11.10

Application:

Removes large or more hydrophobic compounds.

Inert Glass Syringe Barrels - SPE Cartridges

Hydrophobic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

C10, nDecyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC10113G	EEC10113G	100mg / 3mL	30
EUC10123G	EEC10123G	200mg / 3mL	30
EUC10153G	EEC10153G	500mg / 3mL	30
EUC10156G	EEC10156G	500mg / 6mL	30
EUC101M6G	EEC101M6G	1000mg / 6mL	30

% Organic Loading: 15.70

Application:

Removes large or more hydrophobic compounds.

C12, nDodecyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC12113G	EEC12113G	100mg / 3mL	30
EUC12123G	EEC12123G	200mg / 3mL	30
EUC12153G	EEC12153G	500mg / 3mL	30
EUC12156G	EEC12156G	500mg / 6mL	30
EUC121M6G	EEC121M6G	1000mg / 6mL	30

% Organic Loading: 15.70

Application:

Removes large or more hydrophobic compounds.

C18, Octadecyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC18113G	EEC18113G	100mg / 3mL	30
EUC18123G	EEC18123G	200mg / 3mL	30
EUC18153G	EEC18153G	500mg / 3mL	30
EUC18156G	EEC18156G	500mg / 6mL	30
EUC181M6G	EEC181M6G	1000mg / 6mL	30

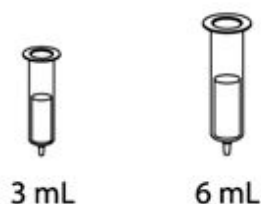
% Organic Loading: 21.70

Application:

Removes hydrophobic impurities, de-salting and purification of hydrophobic compounds.

Inert Glass Syringe Barrels - SPE Cartridges

Hydrophobic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

C20, Eicosyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC20113G	EEC20113G	100mg / 3mL	30
EUC20123G	EEC20123G	200mg / 3mL	30
EUC20153G	EEC20153G	500mg / 3mL	30
EUC20156G	EEC20156G	500mg / 6mL	30
EUC201M6G	EEC201M6G	1000mg / 6mL	30

% Organic Loading: 24.30

Application:

Removes smallest or least hydrophobic compounds.

C30, Tricontyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUC20113G	EEC20113G	100mg / 3mL	30
EUC20123G	EEC20123G	200mg / 3mL	30
EUC20153G	EEC20153G	500mg / 3mL	30
EUC20156G	EEC20156G	500mg / 6mL	30
EUC201M6G	EEC201M6G	1000mg / 6mL	30

% Organic Loading: 26.00

Application:

Removes smallest or least hydrophobic compounds.

Cyclohexyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCYH123G	EECYH123G	200mg / 3mL	30
EUCYH153G	EECYH153G	500mg / 3mL	30
EUCYH156G	EECYH156G	500mg / 6mL	30
EUCYH1M6G	EECYH1M6G	1000mg / 6mL	30

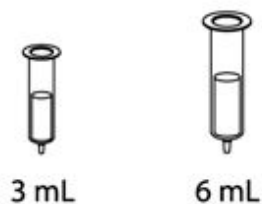
% Organic Loading: 11.60

Application:

Scavenger for phenolic compounds

Inert Glass Syringe Barrels - SPE Cartridges

Hydrophobic Product Guide



Chemicals are offered in the following particle sizes:

- Small Particle (5-20 μm)
- Intermediate Particle (25-40 μm)
- Standard Particle (40-60 μm)
- Large Particle (125-210 μm)

Phenyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUPHY123G	EEPHY123G	200mg / 3mL	30
EUPHY153G	EEPHY153G	500mg / 3mL	30
EUPHY156G	EEPHY156G	500mg / 6mL	30
EUPHY1M6G	EEPHY1M6G	1000mg / 6mL	30

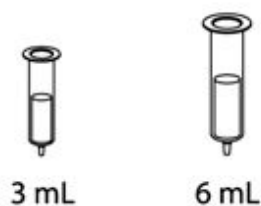
% Organic Loading: 11.00

Application:

Scavenger for polar compounds

Inert Glass Syringe Barrels - SPE Cartridges

Hydrophilic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
Intermediate Particle (25-40 μm)
Standard Particle (40-60 μm)
Large Particle (125-210 μm)

Unbonded Silica (Acid Washed)

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUSIL123G	—	200 mg / 3mL	30
EUSIL153G	—	500mg / 3mL	30
EUSIL156G	—	500mg / 6mL	30
EUSIL1M6G	—	1000mg / 6mL	30

% Organic Loading: N/A

Application:

Removes hydrophilic (polar) impurities, purification of hydrophilic (polar) compounds

High-Surface Activity Silica

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EHSIL123G	—	200 mg / 3mL	30
EHSIL153G	—	500mg / 3mL	30
EHSIL156G	—	500mg / 6mL	30
EHSIL1M6G	—	1000mg / 6mL	30

% Organic Loading: N/A

Application:

Removes hydrophilic (polar) impurities, purification of hydrophilic (polar) compounds

CN, Cyanopropyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCNP123G	EECNP123G	200mg / 3mL	30
EUCNP153G	EECNP153G	500mg / 3ml	30
EUCNP156G	EECNP156G	500mg / 6mL	30
EUCNP1M6G	EECNP1M6G	1000mg / 6mL	30

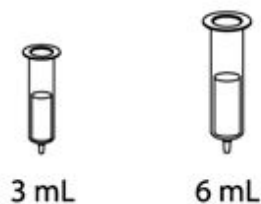
% Organic Loading: 6.90

Application:

Removes steroid type compounds.

Inert Glass Syringe Barrels - SPE Cartridges

Hydrophilic Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

Diol

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUDOL123G	—	200mg / 3mL	30
EUDOL153G	—	500mg / 3mL	30
EUDOL156G	—	500mg / 6mL	30
EUDOL1M6G	—	1000mg / 6mL	30

% Organic Loading: 8.00

Application:

Removes hydrophilic (polar) impurities, Purification of hydrophilic (polar) compounds.

PSA (n-2, Aminoethyl)

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUPSA123G	—	200mg / 3mL	30
EUPSA153G	—	500mg / 3mL	30
EUPSA156G	—	500mg / 6mL	30
EUPSA1M6G	—	1000mg / 6mL	30

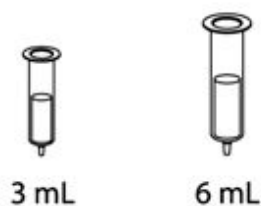
% Organic Loading: 9.70

Application:

Scavenger for acids, cyclic compounds, cholesterol, and other lipid type compounds

Inert Glass Syringe Barrels - SPE Cartridges

Anion Exchange Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)

Intermediate Particle (25-40 μm)

Standard Particle (40-60 μm)

Large Particle (125-210 μm)

Aminopropyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUNAX123G	—	200mg / 3mL	30
EUNAX153G	—	500mg / 3mL	30
EUNAX156G	—	500mg / 6mL	30
EUNAX1M6G	—	1000mg / 6mL	30

% Organic Loading: 6.65

Application:

Scavenger for acids, cyclic compounds, cholesterol, and other lipid type compounds

Diethylamino

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUDAX123G	—	200mg / 3mL	30
EUDAX153G	—	500mg / 3mL	30
EUDAX156G	—	500mg / 6mL	30
EUDAX1M6G	—	1000mg / 6mL	30

% Organic Loading: 8.40

Application:

Scavenger for acids, cyclic compounds, cholesterol, and other lipid type compounds

Polyimine

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUPAX123G	—	200mg / 3mL	30
EUPAX153G	—	500mg / 3mL	30
EUPAX156G	—	500mg / 6mL	30
EUPAX1M6G	—	1000mg / 6mL	30

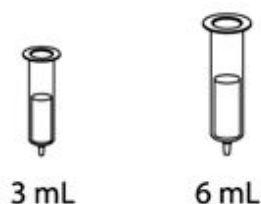
% Organic Loading: 13.5

Application:

Scavenger for acids and sulfonyl chlorides, isocyanates and other electrophiles.

Inert Glass Syringe Barrels - SPE Cartridges

Anion Exchange Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

Quaternary Amine with Chloride Counter Ion

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
ECQAX123G	—	200mg / 3mL	30
ECQAX153G	—	500mg / 3mL	30
ECQAX156G	—	500mg / 6mL	30
ECQAX1M6G	—	1000mg / 6mL	30

% Organic Loading: 8.40

Application:

Scavenger for acids and sulfonyl chlorides, isocyanates and weak electrophiles.

Quaternary Amine with Acetate Counter Ion

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EAQAX123G	—	200mg / 3mL	30
EAQAX153G	—	500mg / 3mL	30
EAQAX156G	—	500mg / 6mL	30
EAQAX1M6G	—	1000mg / 6mL	30

% Organic Loading: 8.40

Application:

Scavenger for acids and sulfonyl chlorides, isocyanates and weak electrophiles. Useful when charge on ion being removed is weaker than the acetate counter ion.

Quaternary Amine with Hydroxide Counter Ion

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EHQAX123G	—	200mg / 3mL	30
EHQAX153G	—	500mg / 3mL	30
EHQAX156G	—	500mg / 6mL	30
EHQAX1M6G	—	1000mg / 6mL	30

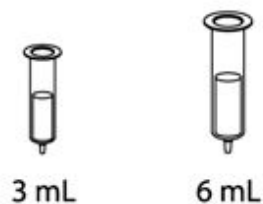
% Organic Loading: 8.40

Application:

Scavenger for acids and sulfonyl chlorides, isocyanates and weak electrophiles. Useful when charge on ion being removed is weaker than the hydroxide counter ion.

Inert Glass Syringe Barrels - SPE Cartridges

Anion Exchange Product Guide



Chemicals are offered in the following particle sizes:

- Small Particle (5-20 μm)
- Intermediate Particle (25-40 μm)
- Standard Particle (40-60 μm)
- Large Particle (125-210 μm)

Quaternary Amine with Formate Counter Ion

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EFQAX123G	—	200mg / 3mL	30
EFQAX153G	—	500mg / 3mL	30
EFQAX156G	—	500mg / 6mL	30
EFQAX1M6G	—	1000mg / 6mL	30

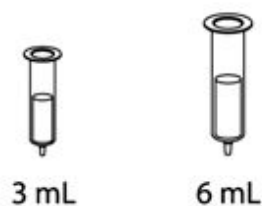
% Organic Loading: 8.40

Application:

Scavenger for acids and sulfonyl chlorides, isocyanates and weak electrophiles. Useful when charge on ion being removed is weaker than the formate counter ion

Inert Glass Syringe Barrels - SPE Cartridges

Cation Exchange Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

Carboxylic Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCCX123G	—	200mg / 3mL	30
EUCCX153G	—	500mg / 3mL	30
EUCCX156G	—	500mg / 6mL	30
EUCCX1M6G	—	1000mg / 6mL	30

% Organic Loading: 9.10

Application:

Scavenger for strong amines with quats.

Propylsulfonic Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUPCX123G	—	200mg / 3mL	30
EUPCX153G	—	500mg / 3mL	30
EUPCX156G	—	500mg / 6mL	30
EUPCX1M6G	—	1000mg / 6mL	30

% Organic Loading: 7.10

Application:

Scavenger for amines, alcohols and other nucleophiles.

Benzenesulfonic Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUBCX123G	—	200mg / 3mL	30
EUBCX153G	—	500mg / 3mL	30
EUBCX156G	—	500mg / 6mL	30
EUBCX1M6G	—	1000mg / 6mL	30

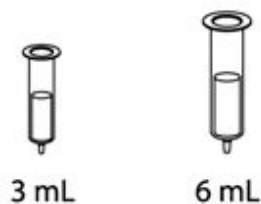
% Organic Loading: 11.00

Application:

Scavenger for amines, alcohols and other nucleophiles.

Inert Glass Syringe Barrels - SPE Cartridges

Cation Exchange Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

Benzenesulfonic Acid High Load

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUBCXHL123G	—	200mg / 3mL	30
EUBCXHL153G	—	500mg / 3mL	30
EUBCXHL156G	—	500mg / 6mL	30
EUBCXHL1M6G	—	1000mg / 6mL	30

% Organic Loading: 15.00

Application:

Scavenger for amines, alcohols and other nucleophiles.

Triacetic Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUTAX123G	—	200mg / 3mL	30
EUTAX153G	—	500mg / 3mL	30
EUTAX156G	—	500mg / 6mL	30
EUTAX1M6G	—	1000mg / 6mL	30

% Organic Loading: 7.61

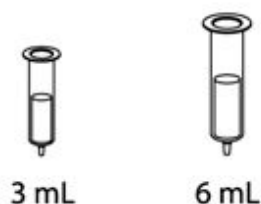
Application:

Chelator for metal ions.

i.e. tin
 palladium
 copper
 ruthenium
 chromium
 nickel

Inert Glass Syringe Barrels - SPE Cartridges

Copolymeric Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
Intermediate Particle (25-40 μm)
Standard Particle (40-60 μm)
Large Particle (125-210 μm)

Hydrophobic Plus Benzenesulfonic Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUBCX223G	—	200mg / 3mL	30
EUBCX253G	—	500mg / 3mL	30
EUBCX256G	—	500mg / 6mL	30
EUBCX2M6G	—	1000mg / 6mL	30

% Organic Loading: 12.30

Application:

Dual functionality for polar and hydrophobic compounds

Hydrophobic Plus Carboxylic Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCCX223G	—	200mg / 3mL	30
EUCCX253G	—	500mg / 3mL	30
EUCCX256G	—	500mg / 6mL	30
EUCCX2M6G	—	1000mg / 6mL	30

% Organic Loading: 12.50

Application:

Dual functionality for polar and hydrophobic compounds

Hydrophobic Plus Propylsulfonic Acid

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUPCX223G	—	200mg / 3mL	30
EUPCX253G	—	500mg / 3mL	30
EUPCX256G	—	500mg / 6mL	30
EUPCX2M6G	—	1000mg / 6mL	30

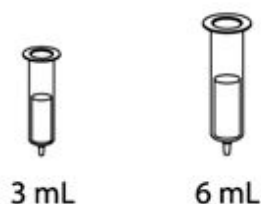
% Organic Loading: 12.50

Application:

Dual functionality for polar and hydrophobic compounds

Inert Glass Syringe Barrels - SPE Cartridges

Copolymeric Product Guide



Chemicals are offered in the following particle sizes:

Small Particle (5-20 μm)
 Intermediate Particle (25-40 μm)
 Standard Particle (40-60 μm)
 Large Particle (125-210 μm)

Hydrophobic Plus Quaternary Amine

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUQAX223G	—	200mg / 3mL	30
EUQAX253G	—	500mg / 3mL	30
EUQAX256G	—	500mg / 6mL	30
EUQAX2M6G	—	1000mg / 6mL	30

% Organic Loading: 13.60

Application:

Dual functionality for polar and hydrophobic compounds

Hydrophobic Plus Cyanopropyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCNP223G	—	200mg / 3mL	30
EUCNP253G	—	500mg / 3mL	30
EUCNP256G	—	500mg / 6mL	30
EUCNP2M6G	—	1000mg / 6mL	30

% Organic Loading: 14.60

Application:

Dual functionality for polar and hydrophobic compounds

Hydrophobic Plus Cyclohexyl

Part Number Unencapped	Part Number Encapped	Amt. Sorbent/Tube Vol.	Units
EUCYH223G	—	200mg / 3mL	30
EUCYH253G	—	500mg / 3mL	30
EUCYH256G	—	500mg / 6mL	30
EUCYH2M6G	—	1000mg / 6mL	30

% Organic Loading: N/A

Application:

Dual functionality for polar and hydrophobic compounds

Glass Tubes and Teflon Frits

Glass Tubes

Part Number	Tube Description	Tube Volume	Frit Description	Quantity
RFV0008G	Empty glass tubes	6 mL	None	30
RFV01F8G	Glass tube	6 mL	1 Teflon frit inserted	30
RFV0004G	Empty glass tubes	3 mL	None	30
RFV01F4G	Glass tube	3 mL	1 Teflon frit inserted	30

Teflon Frits

Part Number	Tube Description	Tube Volume	Frit Description	Quantity
FR10081T	None	6 mL	Teflon frit 10 porosity	30
FR10041T	None	3 mL	Teflon frit 10 porosity	30