

NCI

Chromatography Products Catalogue



NATIONAL CHROMATOGRAPHY  INCO

Manufacturers

- ULTIMASYIL Series Columns
- Hi-Purit SPE Cartridges
- Maxsil Syringe Filters
- Packing Vials
- NEUROSIL Series Columns
- Hi-Purit Flash Cartridges
- NCI LC/GC Vials
- Barcoding Vials

www.ncin.us

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HEAD OFFICE

HEAD OFFICE : USA FACILITY



R & D Lexington, Kentucky, USA

GLOBAL CORPORATE OFFICE



PGCEDC, MD, Washington DC

OUR MISSION

National Chromatography Inco., USA. Is to provide our pharmaceutical customers with the highest quality Custom Syntheses and chromatography market has to offer. With over 20 years of HPLC/ Custom Syntheses experience, we are able to provide an unmatched variety of products with custom tailored answers for even the most difficult separations. Our team of professional Custom Syntheses & chromatographers is available to assist you not only in the selection and purchase of your Columns, but with long term support. National Chromatography Inco., we are constantly innovating and pushing the limits of Custom Syntheses & chromatographers products.

No other company offers more flexibility and choices on a consistent basis than we do. Quality. Choices. Flexibility. Innovation. Support. Five words. One goal. The complete and total satisfaction of our customers.

SUPPORT

With over 20 years of hands on experience, we are here to help you even with your most difficult problems. Our staff is eager to assist you. Please let us know how we can be of service!

QUALITY CERTIFICATE

Each **column**& Chromatography products are tested and shipped. All the Custom Syntheses solvents & chromatographers media are bonded at our facility, so the quality and reproducibility of each batch can be closely monitored. All columns are packed and tested on-site as well by our team of production specialists to ensure the highest level of satisfaction for our customers.

INNOVATION

National Chromatography Inco., believes in Technology is always moving forward and the challenges facing our pharmaceutical customers have changed in recent years. We have the ability to react quickly to the changing combi-chem and drug discovery environment and we now offer a wide range of products to meet your high-throughput needs.

CHOICES

FLEXIBILITY

With so many stationary phases and column dimensions to choose from, we can make your scale up easy and worry free. From 2.0mm screening columns for LC-MS to kilograms of bulk media, we are with you every step of the way.

Synthesis Lab



Instrumentation Lab



NCI

INDEX ►

HPLC Columns



SPE Cartridges



FLASH Cartridges



QuEChERS



Syringe Filters / Manifold



Vials, Barcoding Vials



HPLC Accessories



All NCI columns has been listed under US Pharmacopeia

USP	Column Classification	Recommended Column	Manufacturers	Equivalent columns
L1	Octadecyl silane bonded to porous silica or ceramic microparticles, 3 to 10µm in diameter.	Ultimasyl C18,100/120/200* Neurosyl C18 100/120/200A* NeuroBond C18 120A*	National chromatography USA	Kromasil, Luna(18), Inertsil uBondapak
L2	Octadecyl silane chemically bonded to silica gel of a controlled surface porosity that has been bonded to a solid spherical core, 30 to 50µm in diameter.	NeuroBond prep C18	National chromatography USA	
L3	Porous silica microparticles, 5 to 10µm in diameter.	Ultimasyl Silica,100/120 Neurosyl silica100/120 NeuroBond Silica 120A*	National chromatography USA	Kromasil, Luna Silica, Inertsil uBondapak Si
L4	Silica gel of controlled surface porosity bonded to a solid spherical core, 30 to 50µm, in diameter.			
L5	Alumina of controlled surface porosity bonded to a solid spherical core, 30 to 50µm in diameter.			
L6	Strong cation-exchange packing: sulfonated fluorocarbon polymer coated on a solid spherical core, 30 to 50µm in diameter.	Partisil SCX Zipax SCX		
L7	Octylsilane bonded to totally porous microsilica particals, 3 to 10µm in diameter	Ultimasyl C8 ,100/120/200A* Neurosyl C8,100/120/200A* NeuroBond C8, 120A*	National chromatography USA	Kromasil C8, Luna C8, Inertsil uBondapak C8
L8	An essentially monomolecular layer of aminopropyl-silane chemically bonded to totally porous silica gel support, 10µm in diameter.	Ultimasyl Amino,100/120 A* Neurosyl Amino,100/120A* NeuroBond Amino, 120A*	National chromatography USA	Kromasil Amino, Luna Amino, Inertsil uBondapak Amino
L9	10µm irregular totally porous silica gel having a chemically bonded, strongly acidic cation-exchange			
L10	Nitrile groups chemically bonded to porous silica microparticles, 3 to 10µm in diameter.	Ultimasyl Cyano,100/120 A* Neurosyl Cyano,100/120A* NeuroBond Cyano, 120A	National chromatography USA	Kromasil Cyano, Luna Cyano, Inertsil uBondapak Cyano
L11	Phenyl groups chemically bonded to porous silica microparticles, 3 to 10µm in diameter.	Ultimasyl Phenyl,100/120 A* Neurosyl Phenyl,100/120A* NeuroBond CPhenyl, 120A	National chromatography USA	Kromasil Phenyl, Luna Phenyl, Inertsil uBondapak Phenyl
L13	Trimethylsilane chemically bonded to porous silica microparticles, 3 to 10µm in diameter.	Neurosyl TMS,100/120A	National chromatography USA	
L14	Silica gel, 10µm in diameter, having a chemically bonded, strongly basic quaternary ammonium anion-exchange coating.	Chromegabond		
L15	Hexyl silane chemically bonded to porous silica particles, 3 to 10µm in diameter.	Neurosyl C6	National chromatography USA	
L16	Dimethyl silane chemically bonded to totally porous silica particles, 3 to 10µm in diameter	Neurosyl C2	National chromatography USA	
L17	Strong cation exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the hydrogen form, 7 to 11µm in diameter.	BP-100 H++		
L18	Amino & cyano groups chemically bonded to porous silica particles, 5 to 10µm in diameter.	Chromegabond A/CN		
L19	Strong cation exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the calcium form, 9µm in diameter.	BP-100 Ca++		
L20	Dihydroxypropane groups chemically bonded to porous silica particles, 3 to 10µm in diameter.	Neurosyl Diol,300 Neurosyl Diol,100 Chromegabond D(diols)	National chromatography ,USA	
L21	A rigid, spherical styrene-divinylbenzene copolymer, 5 to 10µm in diameter	Jordi Gel DVB Jordi Gel RP 500A		
L22	A cation exchange resin made of porous polystyrene gel with sulfonic acid groups, about 10µm in size	Jordi Sulfonated Polar Pac		
L23	An ion exchange resin made of porous polymethacrylate or polyacrylate gel with quaternary ammonium groups, about 10µm in size.	TSK gel Q-5PW	Tosoh ,Japan	
L24	A semi rigid hydrophilic gel consisting of vinyl polymers with numerous hydroxyl groups on the matrix surface, 32 to 63µm in diameter.	YMC Packpur-Sil	YMC,Japan	
L25	Packing having the capacity to separate compounds with MW range from 100 to 5000 daltons (as determined by polyethylene oxide), applied to neutral.	TSK gel G2500PWXL	Tosoh,Japan	
L26	Butyl silane chemically bonded to totally porous silica particles, 5 to 10 µm in diameter	Neurosyl C4,300	National chromatography USA	
L29	Gamma alumina, reversed phase, low carbon percentage by weight, alumina-based polybutadiene spherical particles, 5µm diameter.	Gammabond ARP-1		
L30	Ethyl silane chemically bonded to a totally porous silica particle, 3 to 10µm in diameter.	Chromegabond C2 E		
L32	A chiral ligand-exchange packing- L-proline copper complex covalently bonded to irregularly shaped silica particles, 5 to 10 µm in diameter.			
L33	Packing having the capacity to separate proteins of 4,000 to 400,000 daltons. It is spherical, silica based and processed to provide pH stability.	Synchropak GPC Lined	Eprogen,USA	
L34	Strong cation exchange resin consisting of sulfonated cross-linked styrene-divinylbenzene copolymer in the lead form, 9µm in diameter.	BP-100 Pb++		

All NCI columns has been listed under US Pharmacopeia

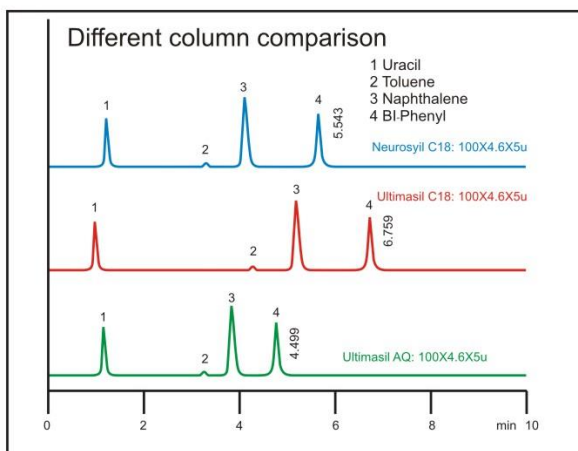
USP	Column Classification	Recommended Column	Manufacturers	Equivalent columns
L35	A zirconium-stabilized spherical silica packing with a hydrophilic (diol-type) molecular monolayer bonded phase having a pore size of 150Å	SRT SEC	Sepax ,USA	
L36	L-Phenylglycine-3, 5-dinitrobenzoyl on 5µm amino propyl silica.	Nucleosil Chiral-3		
L37	Polymethacrylate gel for proteins 2000-40,000 MW.	TSK gel G3000 PWXL	Tosoh,Japan	
L38	Methacrylate-based SEC column for water-solubles.	TSK gel G-Oligo PW	Tosoh,Japan	
L39	Hydrophilic polyhydroxymethacrylate gel of totally porous spherical resin.	TSKgel G1000-G6000PWXL	Tosoh,Japan	
L40	Cellulose tris-3, 5 dimethylphenylcarbamate coated porous silica particles, 5 to 20µm in diameter.			
L41	Immobilized alpha 1 acid glycoprotein special silica particles, 5µm	Chiral AGP	Chromtech	
L42	Octylsilane and octadecylsilane chemically bonded to porous silica particles, 5 to 10µm.			
L43	Pentafluorophenyl groups chemically bonded to silica particles. 5to 10µm	Cosmicsil PFP Allure PFP Propyl TAC 1	Genius Technologies,USA	
L44				
L45	Beta cyclodextrin bonded to porous silica particles, 5 to 10µm.	ChiralDex		
L46	Polystyrene/divinylbenzene substrate agglomerated with quaternary amine functionalised latex beads, 10µm.	Transgenomic-AN1	Transgenomic	
L47	High capacity anion-exchange microporous substrate, fully functionalised with a trimethylamine group, 8µm	Cabopac MA 1		
L48	Sulphonated, cross-linked polystyrene with an outer layer of submicron, porous, anion-exchange microbeads, 15µm.	Ionpac AS5 Ionpac AS7		
L49	A reverse packing made by coating a thin layer of polybutadiene on to a spherical porous zirconia particles, 3 to 10µm.	Zirchrom PBD		
L51	Amylose tris-3, 5-dimethylphenylcarbamate coated, porous, spherical, silica, 5 to 10µm.			
L52	Strong cation exchange resin made of porous silica with sulphopropyl groups, 5 to 10µm.	TSK IC-Cation TSKgel SP-2SW		
L54	A size exclusion medium made of covalent bonding of dextran to highly cross-linked porous agarose beads, about 13µm.	Superdex Peptide HR 10/30		
L55	Strong cation-exchange resin made of porous silica coated with polybutadiene-maleic acid copolymer, about 5µm.	IC Pac CM/D Universal Cation		
L56	Isopropyl silane chemically bonded to totally porous silica particles, 3 to 10µm	Chromegabond n-Propyl (C3)		
L57	Chiral recognition protein, ovomucoid, chemically bonded to silica particles, about 5µm, with a pore size of 120 Å	Ultron ES OVM		
L58	Strong cation-exchange resin consisting of sulphonated cross-linked styrene-divinylbenzene copolymer in the sodium form, about 7 to 11µm	Aminex HPX-87N BP-100 H++		
L59	Packing having the capacity to separate proteins by molecular weight over the range of 10 to 500kDa. It is spherical (10µm), silica based, and processed to provide hydrophilic characteristics and pH stability	TSK gel G3000SW SRT SEC-300		
L60	Spherical, porous silica gel, 3 to 5 µm, the surface of which has been covalently modified with palmitamidopropyl groups and endcapped with acetamidopropyl groups to a ligand density of about 6 µmoles per m2	Supelcosil LC ABZ Supelcosil LC ABZ+ Discovery RP-Amide C16		
L61	A hydroxide selective strong anion exchange resin consisting of a high cross linked core of 13µm microporous particles having a pore size less than 10Å units & consisting of ethylvinylbenzene cross lined	Ion Pac		
L62	Suitable not only for polar compounds such as sugars and nucleotides but also for fat-soluble compounds such as tocopherols and carotenoids.	Neurosyl C30,100A*	National chromatography USA	
L69	Ethylvinylbenzene/divinylbenzene substrate agglomerated with quaternary amine functionalized 130 nm latex beads, about 6.5 µm in diameter.	CarboPac PA20		
L70	Cellulose tris(phenyl carbamate) coated on 5 µm silica.	Chiralcel OC-H		
L71	A rigid, spherical polymetacrylate, 4 to 6 µm in diameter.	RSPak DE-613		
L72	(R)-phenylglycine and 3,5-dinitroaniline urea linkage covalently bonded to silica.	Sumichiral OA-3300		
L73	A rigid, spherical polydivinylbenzene particle, 5 to 10 µ in diameter.	Jordi-Gel DVB		
L79	A chiral-recognition protein, human serum albumin (HSA), chemically bonded to silica particles, about 5µm in diameter	CHIRALPAK HSA		
L80	Cellulose tris(4-methylbenzoate)-coated, porous spherical silica particles, 5µm in diameter	CHIRALCEL OJ-H		

ULTIMASYIL COLUMNS



ULTIMASYIL COLUMNS: Analytical Columns

- *Ultimasyl Columns are packed with the Silica gel having very high purity at 99.99% SiO₂.
 - *Narrow Particle size distribution is the Hall mark of Ultimasyl Columns technical Engineering.
 - *Particle size is steady to maintain high product reliability.
 - *Wide pH range of 2-8 helps for long Column life time.
 - *Silica surface is covered by hydroxyl groups(-OH) called Silanol(Si-OH) to improve wetting in solvent or low polar systems, various chemical treatments are applied to mask this functional group.
- These treatments can also moderate hard settling, mar and burnish resistance & UV performance.
- Ultimasyl column Phases :** C18, C8, Phenyl, Cyano, Amino, Silica, AQ(Hydrosphere), Diol are available.



- * ANALYTICAL HPLC COLUMNS
- * SFC COLUMNS
- * GEL MEDIA

Ultimasyl Phase : C8, C18, C18AQ, Phenyl, Cyano, Amino, Silica, C4, Diol.

Pore Size: 80A, 100A, 120A

Size Length	50mm	75mm	100mm	150mm	250mm
Microns	2um	3um	5um		
ID	3mm ID	4.0mmID	4.6mm ID		

ULTIMASYIL ANALYTICAL COLUMNS

Ultimasyil C 18 HPLC Columns :

USP: L1 **Particle Size:** Spherical **Endcapped:** Yes **Carbon % :** 14%
Pore Size: 80^o,100^o,120^o,200^oA

Application: 100A^o provides adequate resolution & retention for most application. In general reverse Phase application will require of modifier in the Mobile Phase as compared to 80A^o Application. *Wide pH stability for long Column life time and method flexibility. ** Ultra high purity Silica used.



Ultimasyil C 8 HPLC Columns :

USP: L 7 **Particle Size:** Spherical **Endcapped:** Yes **Carbon % :** 8%
Pore Size: 80^o,100^o,120^o,200^oA

Application: 100A^o appropriate for most applications. Use for acids, bases, neutrals or Chelators. *Stable Bonding gives our C8 ruggedness for wide pH range less hydrophobic than C18. *C8 offers the highly degree of hydrophobicity for Pharmaceuticals, Nucleotides * Excellent for method development & for an existing method. ** Ultra high purity Silica used.



Ultimasyil Phenyl HPLC Columns :

USP: L 11 **Particle Size:** Spherical **Endcapped:** Yes **Carbon % :** 8%
Pore Size: 80^o,100^o,120^o,200^oA

Application: 100A^o appropriate for most application. Use for peptides, proteins and other biomolecules and for basic compounds. Extremely versatile. Excellent fro method development or replacement in an existing method. **Ultra high purity Silica used.



Ultimasyil Cyano HPLC Columns :

USP: L 10 **Particle Size:** Spherical **Endcapped:** Yes **Carbon % :** 4%
Pore Size: 80^o,100^o,120^o,200^oA

Application: 100A^o appropriate for most applications. Use for acids, bases, neutrals or chelators Extremely versatile. Excellent for method development or replacement in an existing method. **Ultra high purity Silica used.



Ultimasyil Amino HPLC Columns :

USP: L 8 **Particle Size:** Spherical **Endcapped:** Yes **Carbon % :** 4%
Pore Size: 80^o,100^o,120^o,200^oA

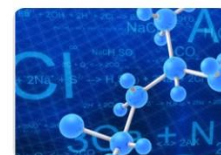
Application: Best for reversed phase applications. Extremely versatile. Excellent fro method development or replacement in an existing method. **Ultra high purity Silica used.



Ultimasyil Silica HPLC Columns :

USP: L3 **Particle Size:** Spherical **Endcapped:** Yes **Carbon % :** 0%
Pore Size: 80^o,100^o,120^o,200^oA

Application: Silica is robust reproducible media for High Quality range of Bonded phase columns * efficient & selectivity for chromatography of non - polar & moderately polar organic compounds by normal phase *Separation on silica columns depend upon the difference in orientation, type & number of functional groups associate with the compounds in the samples. *Excellent for method development or replacement in an existing method.



Ultimasyil C4 HPLC Columns :

USP: L 26 **Particle Size:** Spherical **Endcapped:** Yes **Carbon % :** 6%
Pore Size: 80^o,100^o,120^o,200^oA

Application: Use for acids, bases, neutrals or chelators, peptides, proteins and other biomolecules. Use for acids and neutrals. Extremely versatile. Excellent for method development or replacement in an existing method. ** Ultra high purity Silica used.

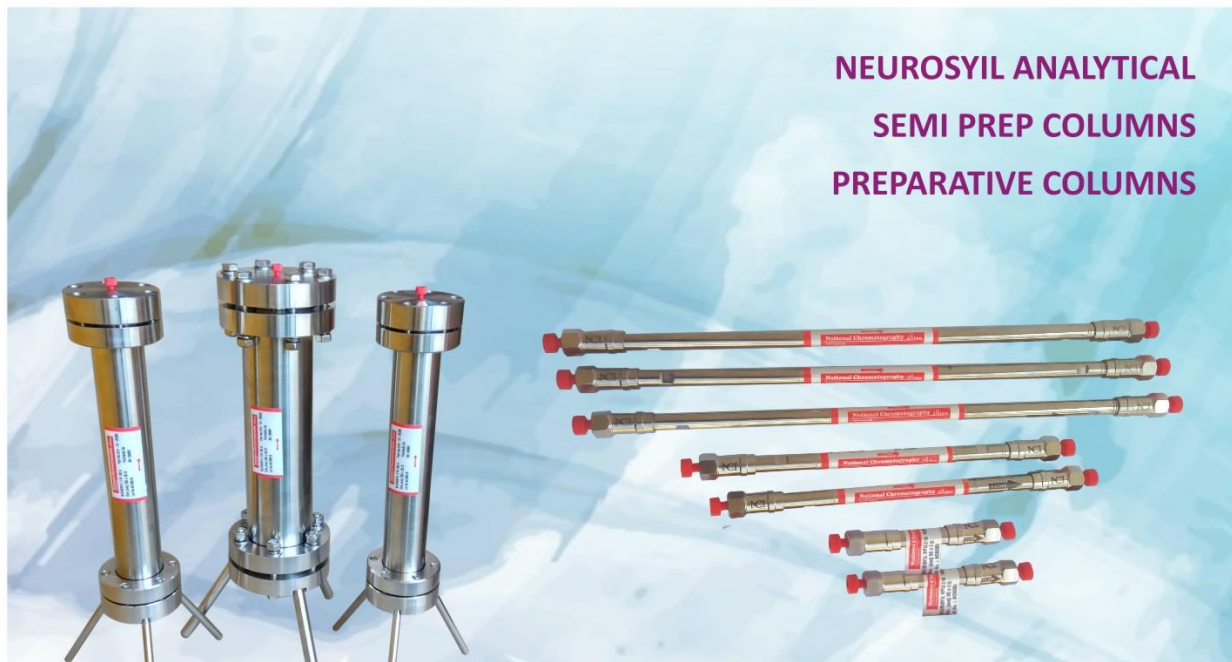


Ultimasyil Diol HPLC Columns :

USP: L20 **Particle Size:** Spherical **Endcapped:** Yes **Carbon % :** 8%
Pore Size: 80^o,100^o,120^o,200^oA

Application: Diol can be used to separate proteins by Gel filtration. When operated with an Aqueous buffer, the Diol phase can effectively shield the silica surface from interacting with proteins. A well known use of Diol columns, under Normal Phase conditions, is the separation of steroids & sterols. Excellent for method development or replacement in an existing method. ** Ultra high purity Silica used.



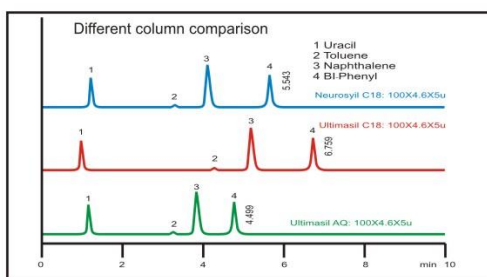


NEUROSIL ANALYTICAL SEMI PREP COLUMNS PREPARATIVE COLUMNS

NEUROSIL: Analytical/Semi Prep Columns

- High Carbon loading, high surface Area, Wide pH stability for long Column life time and method flexibility
- One of the most rugged and reliable columns available
- Silica packed is metal free and is exceptionally stable at high and low pH
- Has homogenous silica surface. • Ultra high purity Silica used.
- Excellent for method development or replacement in an existing method

Neurosil column Phases: C18, C8, Phenyl, Cyano, Amino, C4 Phases are available.



- * ANALYTICAL HPLC COLUMNS
- * PREPARATIVE HPLC COLUMNS
- * GEL MEDIA
- * CHROMATOGRAPHY CONSUMABLES

Neurosil Phase : C8, C18 , Phenyl , Cyano, Amino, Silica, C4, Diol.

Pore Size: 100A, 120A, 200A, 300A

Size Length	50	75	100	150	250
Microns	2um	3um	5um		
ID	3mm ID	4.0mmID	4.6mm ID		

NEUROSYL C18 ANALYTICAL / PREP COLUMNS
USP: L1

Particle Size: 100A°, 200A°, 300A° **pH Range:** 2-10 **Double Endcapped:** Yes **Carbon %:** 18%
Application: Neurosilyl C18, 100A° is a great start for method development as they present maximum retention for non-polar compounds. The 300 A° porosity allows to analyze and purify polar as well as non-polar proteins greater than 10,000 Dalton.

NEUROSYL C8 ANALYTICAL / PREP COLUMNS
USP: L7

Particle Size: 100A°, 200A°, 300A° **pH Range:** 2-10 **Double Endcapped:** Yes **Carbon %:** 12%
Application: Neurosilyl C8 columns will help you with your highly hydrophobic compounds. Less retentive than C18 columns, they are typically used to analyse pesticides, small peptides and heavy drugs, when greater speed is desired. The 300 A° porosity allows to analyze and purify polar as well as non-polar proteins greater than 10,000 Dalton.

NEUROSYL PHENYL ANALYTICAL / PREP COLUMNS
USP: L11

Particle Size: 100A°, 200A°, 300A° **pH Range:** 2-10 **Double Endcapped:** Yes **Carbon %:** 10%
Application: Neurosilyl Phenyl columns represent a good alternative for aromatic non-polar compounds. It is a complementary selectivity to C18 columns: retention is not achieved through hydrophobic interactions only anymore, π - π interactions can also take place.

NEUROSYL Amino ANALYTICAL / PREP COLUMNS
USP: L8

Particle Size: 100A°, 200A°, 300A° **pH Range:** 2-10 **Double Endcapped:** Yes **Carbon %:** 8%
Application: Neurosilyl Amine columns are very popular for sugars analysis (carbohydrates, glycosides and oligosaccharides). They represent a good alternative for normal phase separation of compounds with acidic/basic properties. Neurosilyl Amine columns can also be used in Ion Exchange Mode, for retention & release of very strong anions such as sulfonic acids.

NEUROSYL Cyano ANALYTICAL / PREP COLUMNS
USP: L10

Particle Size: 100A°, 200A°, 300A° **pH Range:** 2-10 **Double Endcapped:** Yes **Carbon %:** 8%
Application: Neurosilyl Cyano columns can be used both in normal and reversed-phase. Less polar than silica, they will help retain organic compounds with intermediate to extreme polarity. Whether you need to analyse carbohydrates, glycosides, cyclosporine or any other carboxyl / carbonyl / amine containing molecules.

NEUROSYL Diol ANALYTICAL / PREP COLUMNS
USP: L20

Particle Size: 100A°, 200A°, 300A° **pH Range:** 2-10 **Double Endcapped:** Yes **Carbon %:** 6%
Application: Neurosilyl Diol columns are ideal for difficult separations of low to medium polarity samples. They can be used for sugars analysis (carbohydrates, glycosides and oligosaccharides) and vitamins analysis. Neurosilyl Diol columns are also compatible with HILIC mode (Hydrophilic Interaction Liquid Chromatography).

NEUROSYL C4 ANALYTICAL / PREP COLUMNS
USP: L26

Particle Size: 100A°, 200A°, 300A° **pH Range:** 2-10 **Double Endcapped:** Yes **Carbon %:** 6%
Application: Neurosilyl C4 HPLC Columns have strong retention ability for hydrophobic and polar compounds, unique bonding technology, high bonding phase coverage, unique double tail sealing technology, which minimizes residual silicon hydroxy influence, alkaline, and strong. The separation of polar compounds have a good peak shape.

NEUROSYL SEMI PREP / PREPARATIVE COLUMNS



Pore Size: 100Å° / 120Å° / 200Å° / 300Å°

Microns: 5µ, 7µ, 10µ, 20µ

NEUROSYL Semi Prep / Preparative COLUMNS 100Å°

Pore Size: 100 *A C : 17 Surface Area : 400 m2/g pH Range: 2-10

Phase	L	um	10.0mm	21.2mm	30.0mm	50.0mm
C-18	100	5	510-10-10105	510-10-102125	510-10-10305	510-10-10505
	150	5	510-10-15105	510-10-152125	510-10-15305	510-10-15505
	250	5	510-10-25105	510-10-252125	510-10-25305	510-10-25505
	100	10	510-10-101010	510-10-102125	510-10-103010	510-10-105010
	150	10	510-10-151010	510-10-152125	510-10-153010	510-10-155010
	250	10	510-10-251010	510-10-252125	510-10-253010	510-10-255010

Phase	L	um	10.0mm	21.2mm	30.0mm	50.0mm
C-8	100	5	520-10-10105	520-10-102125	520-10-10305	520-10-10505
	150	5	520-10-15105	520-10-152125	520-10-15305	510-10-15505
	250	5	520-10-25105	520-10-252125	520-10-25305	520-10-25505
	100	10	520-10-101010	520-10-102125	520-10-103010	520-10-105010
	150	10	520-10-151010	520-10-152125	520-10-153010	520-10-155010
	250	10	520-10-251010	520-10-252125	510-10-253010	520-10-255010

Phase	L	um	10.0mm	21.2mm	30.0mm	50.0mm
Phenyl	100	5	530-10-10105	530-10-102125	530-10-10305	530-10-10505
	150	5	530-10-15105	530-10-152125	530-10-15305	530-10-15505
	250	5	530-10-25105	530-10-252125	530-10-25305	530-10-25505
	100	10	530-10-101010	530-10-102125	530-10-103010	530-10-105010
	150	10	530-10-151010	530-10-152125	530-10-153010	530-10-155010
	250	10	530-10-251010	530-10-252125	530-10-253010	530-10-255010

Phase	L	um	10.0mm	21.2mm	30.0mm	50.0mm
Cyano	100	5	550-10-10105	550-10-102125	550-10-10305	550-10-10505
	150	5	550-10-15105	550-10-152125	550-10-15305	550-10-15505
	250	5	550-10-25105	550-10-252125	550-10-25305	550-10-25505
	100	10	550-10-101010	550-10-102125	550-10-103010	550-10-105010
	150	10	530-10-151010	550-10-152125	550-10-153010	550-10-155010
	250	10	550-10-251010	550-10-252125	550-10-253010	550-10-255010

Phase	L	um	10.0mm	21.2mm	30.0mm	50.0mm
Silica	100	5	590-10-10105	590-10-102125	590-10-10305	590-10-10505
	150	5	590-10-15105	590-10-152125	590-10-15305	590-10-15505
	250	5	590-10-25105	590-10-252125	590-10-25305	590-10-25505
	100	10	590-10-101010	590-10-1021210	590-10-103010	590-10-105010
	150	10	590-10-151010	590-10-1521210	590-10-153010	590-10-155010
	250	10	590-10-251010	590-10-2521210	590-10-253010	590-10-255010

NEUROSYL BULK MEDIA BONDED SILICA

Phases: C18, C8, Phenyl, CN, Amino Diol



NEUROSYL UPLC COLUMNS 1.8µm

Particle Size: 1.8µm **Endcapped:** Yes **Pore Size:** 100°, **Phase :** C18, C8, Phenyl, Amino

Neurosil UPLC column has high strength silica. Silica particles are designed for high material stability and appropriate morphology providing long column life time and UPLC efficiency at high pressures. Harness the efficiency power of sub-1.8 µm particles with Neurosil UPLC columns.

Increase in resolution, sensitivity, occurrence, speed, Reliability & Robustness.

NEUROSYL UPLC C18 HPLC COLUMNS: 100* A					
Carbon : 12%		Surface Area: 90 m ² /g		pH:2-8	
um	L (mm)	2.0mm ID	3.0mm ID	4.0mm ID	4.6mm ID
1.8um	50	510-10-050218	510-10-050318	510-10-050418	510-10-054618
1.8um	100	510-10-100218	510-10-100318	510-10-100418	510-10-104618
1.8um	150	510-10-150218	510-10-150318	510-10-150418	510-10-154618


HPLC
NEUROSYL C30 ANALYTICAL / PREP COLUMNS
USP: L62 Phase: C30

pH Range: 2-8 **Particle Size:** 200A° **Endcapped:** Yes

Application: Neurosil C30 columns for HPLC are a specially designed column for the separation of carotenoid isomers. C30 HPLC columns can cis and trans isomers of β-carotene and polar lutein in lutein under the same mobile phase.

NEUROSYL C 30 HPLC COLUMNS: 200* A						
Carbon :		Surface Area: 140 m ² /g		pH:2-8		
um	L (mm)	2.0mm ID P/N	3.0mm ID P/N	4.0mm ID P/N	4.6mm ID P/N	7.8mm ID P/N
3.0um	50	730-20-05023	730-20-05033	730-20-05043	730-20-05463	730-20-05783
	100	730-20-10023	730-20-10033	730-20-10043	730-20-10463	730-20-10783
	150		730-20-15033	730-20-15043	730-20-15463	730-20-15783
5.0um	50	730-20-05025	730-20-05035	730-20-05045	730-20-05465	730-20-05785
	100	730-20-10025	730-20-10035	730-20-10045	730-20-10465	730-20-10785
	150	730-20-15025	730-20-15035	730-20-15045	730-20-15465	730-20-15785
	250	730-20-25025	730-20-25035	730-20-25045	730-20-25465	730-20-25785


NUROBOND HPLC COLUMNS EQUIVALENT TO BONDAPAK

- Nurobond columns are excellent for USP methods.
- These columns are direct replacement for water's uBondapak.
- Nurobond columns provide adequate resolution & highly reproducible from lot to lot for most applications.

Ultimasyil AQ HPLC Columns
USP: L1

pH Range: 2-8 **Particle Size:** 100A°, 150A° **Endcapped:** Yes

Application: Useful for separation of hydrophilic compounds can be used with 100% water in mobile phase content is relatively large, such as separation of sugars and glycosides. It is useful in fields including Carbohydrate chemistry for oligosaccharides and glycosides. Excellent for method development or replacement in an existing method.

****Ultra high purity Silica used**


ULTIMASYIL & NEUROSYL BULK MEDIA BONDED SILICA

Phases: C18, C8, Phenyl, CN, Amino, Diol

Pore Size: 100Å° / 120Å° / 200Å° / 300Å°
Microns: 5µ, 7µ, 10µ, 20µ
HPLC
Ultimasyil HPLC Sorbent
Order information

Phase	Pore	um	pack size	Part number
C18	100A	3um	100g	110-10A-3100
		5um	100g	110-10A-5100
C18	120A	3um	100g	110-12A-3100
		5um	100g	110-12A-510
C18	150A	3um	100g	110-15A-3100
		5um	100g	110-15A-5100
C8	100A	3um	100g	120-10A-3100
		5um	100g	120-10A-5100
C8	120A	3um	100g	120-12A-3100
		5um	100g	120-12A-510
C8	150A	3um	100g	120-15A-3100
		5um	100g	120-15A-5100
Phenyl	100A	3um	100g	130-10A-3100
		5um	100g	130-10A-5100
Phenyl	120A	3um	100g	130-12A-3100
		5um	100g	130-12A-510
Phenyl	150A	3um	100g	130-15A-3100
		5um	100g	130-15A-5100

order information

Phase	Pore	um	pack size	Part number
Cyano	100A	3um	100g	150-10A-3100
		5um	100g	150-10A-5100
Cyano	120A	3um	100g	150-12A-3100
		5um	100g	150-12A-510
Cyano	150A	3um	100g	150-15A-3100
		5um	100g	150-15A-5100
Amino	100A	3um	100g	140-10A-3100
		5um	100g	140-10A-5100
Amino	120A	3um	100g	140-12A-3100
		5um	100g	140-12A-510
Amino	150A	3um	100g	140-15A-3100
		5um	100g	140-15A-5100
silica	100A	3um	100g	150-10A-3100
		5um	100g	150-10A-5100
silica	120A	3um	100g	150-12A-3100
		5um	100g	150-12A-510
silica	150A	3um	100g	150-15A-3100
		5um	100g	150-15A-5100

Neurosyl HPLC Sorbent
order information

Phase	Pore	um	pack size	Part number
C18	100A	3um	100g	510-10A-3100
		5um	100g	510-10A-5100
		10um	100g	510-10A-10100
C18	200A	3um	100g	510--20A-3100
		5um	100g	510-20A-5100
C18	300A	3um	100g	510-30A-3100
		5um	100g	510-30A-5100
C8	100A	3um	100g	520-10A-3100
		5um	100g	520-10A-5100
		10um	100g	520-10A-10100
C8	200A	3um	100g	520--20A-3100
		5um	100g	520-20A-5100
C8	300A	3um	100g	520-30A-3100
		5um	100g	520-30A-5100
Phenyl	100A	3um	100g	530-10A-3100
		5um	100g	530-10A-5100
		10um	100g	530-10A-10100
Phenyl	200A	3um	100g	530--20A-3100
		5um	100g	530-20A-5100
Phenyl	300A	3um	100g	530-30A-3100
		5um	100g	530-30A-5100

order information

Phase	Pore	um	pack size	Part number
Cyano	100A	3um	100g	550-10A-3100
		5um	100g	550-10A-5100
		10um	100g	550-10A-10100
Cyano	200A	3um	100g	550--20A-3100
		5um	100g	550-20A-5100
Cyano	300A	3um	100g	550-30A-3100
		5um	100g	550-30A-5100
Amino	100A	3um	100g	540-10A-3100
		5um	100g	540-10A-5100
		10um	100g	549-10A-10100
Amino	200A	3um	100g	540--20A-3100
		5um	100g	540-20A-5100
Amino	300A	3um	100g	540-30A-3100
		5um	100g	540-30A-5100
silica	100A	3um	100g	590-10A-3100
		5um	100g	590-10A-5100
		10um	100g	590-10A-10100
silica	200A	3um	100g	590--20A-3100
		5um	100g	590-20A-5100
silica	300A	3um	100g	590-30A-3100
		5um	100g	590-30A-5100

Neurosyil® columns for Carbohydrate Ca²⁺ and Pb²⁺

The Carbohydrate columns in Ca²⁺ and Pb²⁺ form are based on a functionalized polystyrene-divinylbenzene (PS-DVB) copolymer. Coordinatively unsaturated Ca²⁺ and Pb²⁺ ions are bound to the polymer surface and can interact with coordinating analytes, resulting in their chromatography separation. These phases are highly selective, efficient and stable between pH 0-14. The Ca²⁺ form is excellently suited for the analysis of monosaccharide sans sugar alcohols, while the Pb²⁺ form is mainly used for mono- and di-saccharides. Water is typically used as eluent at a column temperature of 85° C.

Description	Particle Size	Ion	Pore Ø	Resin	Capacity
Carbohydrates Ca ²⁺	10 µm	Ca ²⁺	30-40 Å	PS-DVB	1.8 meq/g
Carbohydrates Pb ²⁺	10 µm	Pb ²⁺	30-40 Å	PS-DVB	1.8 meq/g

Guard Columns	P/N: 40 X 4 mm	P/N: 40 X 4.6 mm	P/N: 40 X 8 mm
Carbohydrate Ca ²⁺	810-Ca-40410	810-Ca-404610	810-Ca-40810
Carbohydrate Pb ²⁺	820-Pb-40410	820-Pb-404610	820-Pb-40810

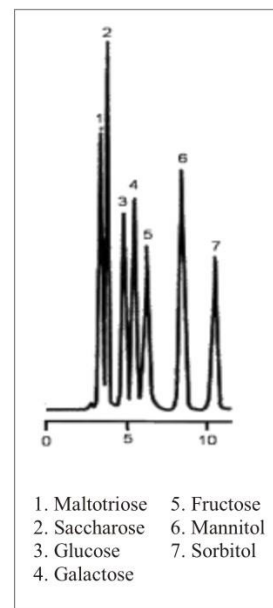
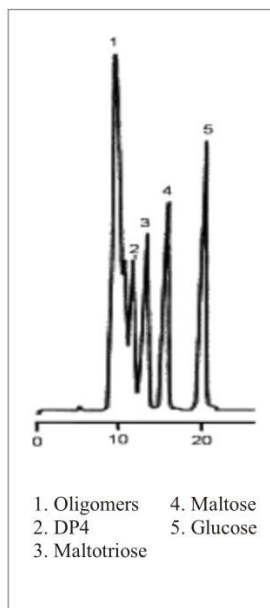
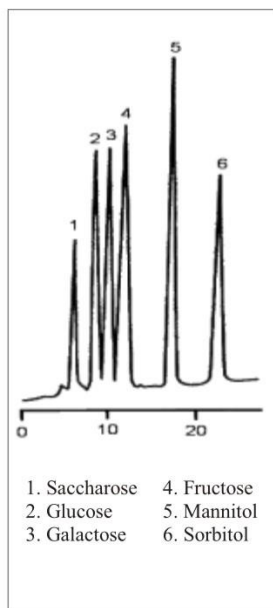
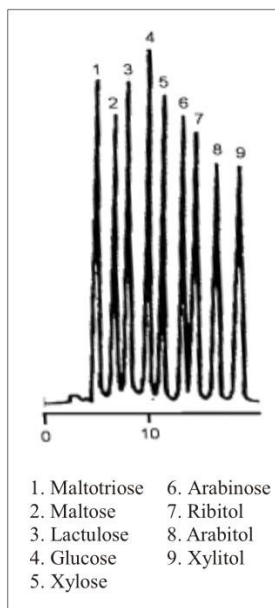
250 mm	P/N: 250 X 4 mm	P/N: 250 X 4.6 mm	P/N: 250 X 8 mm
Carbohydrate Ca ²⁺	810-Ca-254010	810-Ca-254610	810-Ca-25810
Carbohydrate Pb ²⁺	820-Pb-254010	820-Pb-254510	820-Ca-25810

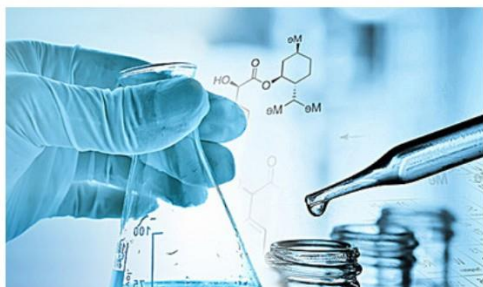
300 mm	P/N: 300 X 4 mm	P/N: 300 X 4.6 mm	P/N: 300 X 8 mm
Carbohydrate Ca ²⁺	810-Ca-304010	810-Ca-304610	810-Ca-30810
Carbohydrate Pb ²⁺	820-Pb-304010	820-Ca-304610	810-Ca-30810



Application on Carbohydrate Ca²⁺ Columns (300 x 8 mm)

Eluent: H₂O





Hi-purit™ SPE

SOLID PHASE EXTRACTION

Silica Based
 Polymer Based
 Mixed mode Based

SPE



APPLICATIONS

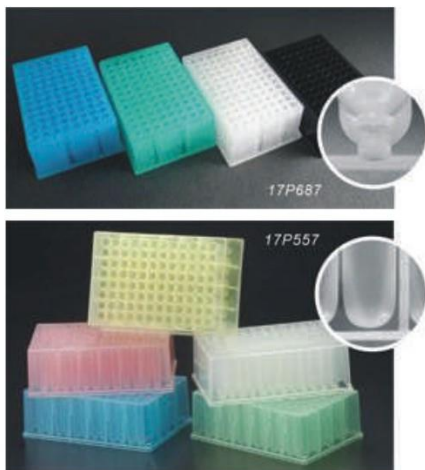
- Sample preparation
- Perfect clean-up
- Selective extraction
- Trace analysis
- Enrichment

BENIFITS

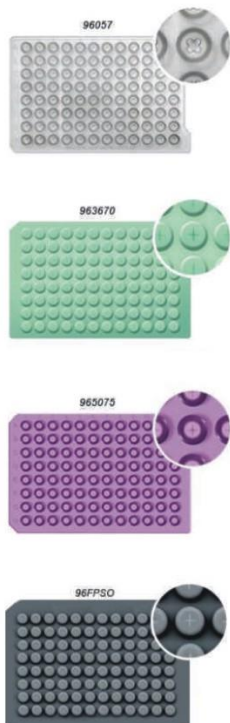
- High affinity and selectivity
- Lowered quantification limits
- High reproductibility and repeatability
- Robust materials

SPE

96 - Well Collection plate
Round & Square Bottom



96 - Well Collection mats



(Hi-purit™ HLB)
Hydrophilic Lipophilic
Balance



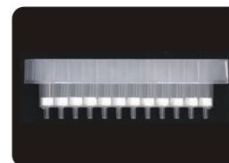
(Hi-purit™ MAX)
Mixed-mode RP /
Strong Anion Exchange



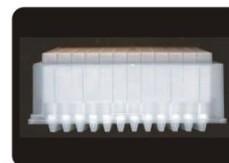
(Hi-purit™ MCX)
Mixed-mode RP /
Cation Exchange



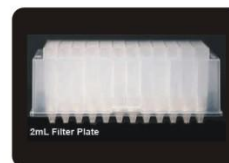
(Hi-purit™ WCX)
Weak Cation Exchange



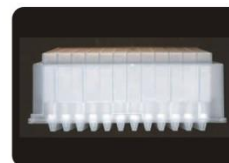
(Hi-purit™ WAX)
Weak Anion Exchange



(Hi-purit™ SAX)
Strong Anion Exchange



(Hi-purit™ SCX)
Strong Cation Exchange



Hi-Purit HLB SPE Cartridges

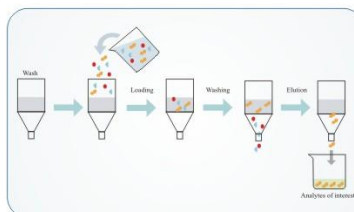
Hi-purit SPE™ HLB is an uncharged Hydrophilic and Lipophilic sorbent interacting with both, hydrophilic and hydrophobic interactions. It particularly suits for the extraction of a wide range of analytes (polar, apolar, neutral, acid, basic...)

Product Information
 Particle diameter range: 40 µm
 Pore size: 70 Å
 Surface area : 800 m²/g
 Storage: Ambient temperature

Bed weight	Tube Size	Qty	P/N
10mg	1ml	100/pk	NCSP-HLB-10-1
30mg	1ml	100/pk	NCSP-HLB-30-1
30mg	3ml	50/pk	NCSP-HLB-30-3
60mg	3ml	50/pk	NCSP-HLB-60-3
100mg	3ml	50/pk	NCSP-HLB-100-3
500mg	3ml	50/pk	NCSP-HLB-500-3
100mg	6ml	30/pk	NCSP-HLB-100-6
200mg	6ml	50/pk	NCSP-HLB-200-6

Hi-Purit, HLB Extraction Protocol

Condition: 1.0mL of Methanol
Equilibrate: 1.0mL of HPLC Water
Load: Load spiked sample
Wash: 1.0mL of 5% Methanol in HPLC Water
Elute: 1.0mL of Methanol



Hi-Purit Dura HLB SPE Cartridges

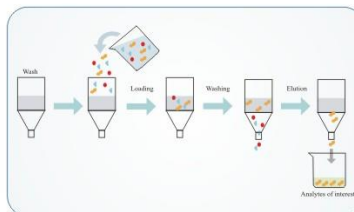
Hi-purit SPE™ Dura HLB is similar to (HLB) and Lipophilic sorbent interacting with both, hydrophilic and hydrophobic interactions as per above polymer chemistry. There is change in surface area particle size. extraction of a wide range of analytes (polar, apolar, neutral, acid, basic...)

Product Information
 Particle diameter range: 50 µm
 Pore size: 75 Å
 Surface area : 800-900 m²/g
 Storage: Ambient temperature

Bed weight	Tube Size	Qty	P/N
10mg	1ml	100/pk	NCSP-DHLB-10-1
30mg	1ml	100/pk	NCSP-DHLB-30-1
30mg	3ml	50/pk	NCSP-DHLB-30-3
60mg	3ml	50/pk	NCSP-DHLB-60-3
100mg	3ml	50/pk	NCSP-DHLB-100-3
500mg	3ml	50/pk	NCSP-DHLB-500-3
100mg	6ml	30/pk	NCSP-DHLB-100-6
200mg	6ml	50/pk	NCSP-DHLB-200-6

Hi-Purit, DURA HLB Extraction

Condition: 1.0mL of Methanol
Equilibrate: 1.0mL of HPLC Water
Load: Load spiked sample
Wash: 1.0mL of 5% Methanol in HPLC Water
Elute: 1.0mL of Methanol



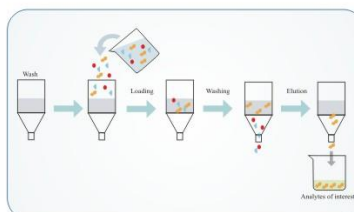
Hi-Purit MCX SPE Cartridges

Hi-purit™ MCX is a mixed –mode cation exchange and reversed phase sorbent, which has high selectivity and sensitivity for basic and neutral compounds. Unlike traditional silica-based sorbent, its modified styrene divinylbenzene polymeric surface has hydrophilic and hydrophobic Mechanisms, which is stable in pH ranges 0 to 14 and is water-wettable therefore, it exhibits unique selectivity to cover a diverse spectrum of analytes, simplify the method development process for fast and efficient sample preparation and completely eliminate recovery or reproducibility problems. The strong cation exchange mechanism gives consistent and extremely cleaning up of basic compounds and fractionation of bases from acidic and neutral impurities. The Poly-Sery MCX is widely utilized in separation of clean basic extracts from different matrices such as plasma, urine, plastic products and food.

Bed weight	Tube Size	Qty	P/N
10mg	1ml	100/pk	NCSP-MCX-10-1
30mg	1ml	100/pk	NCSP-MCX-30-1
30mg	3ml	50/pk	NCSP-MCX-30-3
60mg	3ml	50/pk	NCSP-MCX-60-3
100mg	3ml	50/pk	NCSP-MCX-100-3
500mg	3ml	50/pk	NCSP-MCX-500-3
100mg	6ml	30/pk	NCSP-MCX-100-6
200mg	6ml	50/pk	NCSP-MCX-200-6

Hi-Purit, MCX Extraction Protocol

Condition: 1.0mL of CH₃OH
Equilibrate: 1.0mL of H₂O
Load: Load spiked acidified sample
Wash: 1.0mL of (2 times) 2% Formic acid in H₂O and followed by 1.0mL of (2 times) CH₃OH
Elute: 1.0mL of (2 times) with 5% NH₄OH in CH₃OH



Hi-Purit MAX SPE Cartridges

Hi-purit™ MAX is a mixed-mode mixed anion exchange and reversed phase sorbent, which has high selectivity and sensitivity for acidic and neutral compounds. Unlike traditional silica-based sorbent, its modified styrene divinylbenzene polymeric surface has hydrophilic and hydrophobic mechanisms, which is stable in pH ranges 0 to 14 and is water-wettable, therefore, it exhibits unique selectivity to cover a diverse spectrum of analysis, simplify the method development process for fast and efficient sample preparation and completely eliminate recovery or reproducibility problems. The strong anion exchange mechanism gives consistent and extremely cleaning up of acidic compounds and fractionation of bases from basic and neutral impurities. The Poly-Sery MAX is widely utilized in separation of clean acidic extracts from different matrices such as plasma, urine, plastic products and food.

Bed weight	Tube Size	Qty	P/N
10mg	1ml	100/pk	NCSP-MAX-10-1
30mg	1ml	100/pk	NCSP-MAX-30-1
30mg	3ml	50/pk	NCSP-MAX-30-3
60mg	3ml	50/pk	NCSP-MAX-60-3
100mg	3ml	50/pk	NCSP-MAX-100-3
500mg	3ml	50/pk	NCSP-MAX-500-3
100mg	6ml	30/pk	NCSP-MAX-100-6
200mg	6ml	50/pk	NCSP-MAX-200-6

Hi-Purit, MAX Extraction Protocol

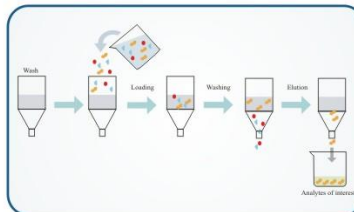
Condition: 1.0mL of CH₃OH

Equilibrate: 1.0mL of H₂O

Load: Load spiked sample

Wash: 1.0mL of (2 times) 5% NH₄OH in H₂O and followed by 1.0mL of (2 times) CH₃OH

Elute: 1.0mL of (2 times) 2% Formic acid in CH₃OH



Hi-Purit WCX SPE Cartridges

Hi-purit SPE™ WCX is a weak cation exchange Sorbent interacting with the analytes via a mixed Mode retention mechanism, ion exchange with weak acid functional groups and reversed phase. It particularly suits for the extraction of strong bases and quaternary amines.

Product Information
 Pore size: 70 Å
 Surface area: 850 m²/g
 Ionic capacity: 0.77 meq/g
 Particle diameter range: 40 μm
 Storage: Ambient temperature

Bed weight	Tube Size	Qty	P/N
10mg	1ml	100/pk	NCSP-WCX-10-1
30mg	1ml	100/pk	NCSP-WCX-30-1
30mg	3ml	50/pk	NCSP-WCX-30-3
60mg	3ml	50/pk	NCSP-WCX-60-3
100mg	3ml	50/pk	NCSP-WCX-100-3
500mg	3ml	50/pk	NCSP-WCX-500-3
100mg	6ml	30/pk	NCSP-WCX-100-6
200mg	6ml	50/pk	NCSP-WCX-200-6

Hi-Purit, WCX Extraction Protocol

Condition: 1.0mL of CH₃OH

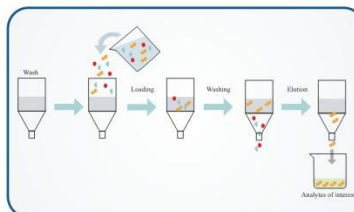
Equilibrate: 1.0mL of H₂O

Load: Load spiked sample

Wash: 1.0mL of (2 times) 5% NH₄OH in H₂O and followed by 1.0mL of (2 times) CH₃OH

Elute: 1.0mL of 2% Formic acid in CH₃OH

Dilution: 1.0mL of 5% NH₄OH in water



Hi-Purit WAX SPE Cartridges

Hi-purit SPE™ WAX is a weak anion exchange Sorbent interacting with the analytes via a Mixed mode retention mechanism, ion Exchange with weak basic functional groups and reversed phase. It particularly suits for the extraction of strong acids.

Product Information
 Pore size: 60 Å
 Surface area: 650 m²/g
 Ionic capacity: 0.5 meq/g
 Particle diameter range: 40 μm
 Storage: Ambient temperature

Bed weight	Tube Size	Qty	P/N
10mg	1ml	100/pk	NCSP-WAX-10-1
30mg	1ml	100/pk	NCSP-WAX-30-1
30mg	3ml	50/pk	NCSP-WAX-30-3
60mg	3ml	50/pk	NCSP-WAX-60-3
100mg	3ml	50/pk	NCSP-WAX-100-3
500mg	3ml	50/pk	NCSP-WAX-500-3
100mg	6ml	30/pk	NCSP-WAX-100-6
200mg	6ml	50/pk	NCSP-WAX-200-6

Hi-Purit, WAX Extraction Protocol

Condition: 1.0mL of CH₃OH

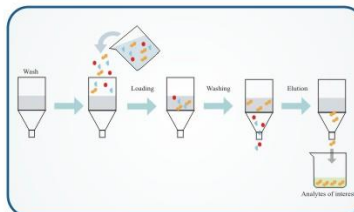
Equilibrate: 1.0mL of H₂O

Load: Load spiked acidified sample

Wash: 1.0mL (2 times) 2% Formic acid in H₂O and followed by 1.0mL (2 times) CH₃OH

Elute: 1.0mL with 5% NH₄OH in CH₃OH

Dilution: 1.0mL of 2% Formic acid in water



Hi-Purit SAX SPE Cartridges

Hi-purit SPE™ SAX is a strong anion exchange sorbent interacting with the analytes via a mixed mode retention mechanism, ion exchange with strong basis functional groups and reversed phase. It particularly suits for the extraction of weak acids.

Product Information
 Diameter range: 40 µm
 Pore size: 60 Å
 Surface area: 600 m²/g
 Ionic capacity: 0.3 meq/g
 Storage: Ambient temperature

Bed weight	Tube Size	Qty	P/N
10mg	1ml	100/pk	NCSP-SAX-10-1
30mg	1ml	100/pk	NCSP-SAX-30-1
30mg	3ml	50/pk	NCSP-SAX-30-3
60mg	3ml	50/pk	NCSP-SAX-60-3
100mg	3ml	50/pk	NCSP-SAX-100-3
500mg	3ml	50/pk	NCSP-SAX-500-3
100mg	6ml	30/pk	NCSP-SAX-100-6
200mg	6ml	50/pk	NCSP-SAX-200-6

Hi-Purit SCX SPE Cartridges

Hi-purit™ SCX is a strong cation exchange sorbent interacting with the analytes via a mixed mode retention mechanism, ion exchange with strong acid functional groups and reversed phase. It particularly suits for the extraction of weak bases.

Product Information
 Pore size: 60 Å
 Surface area: 600 m²/g
 Particle diameter range: 40 µm
 Storage: Ambient temperature

Bed weight	Tube Size	Qty	P/N
10mg	1ml	100/pk	NCSP-SCX-10-1
30mg	1ml	100/pk	NCSP-SCX-30-1
30mg	3ml	50/pk	NCSP-SCX-30-3
60mg	3ml	50/pk	NCSP-SCX-60-3
100mg	3ml	50/pk	NCSP-SCX-100-3
500mg	3ml	50/pk	NCSP-SCX-500-3
100mg	6ml	30/pk	NCSP-SCX-100-6
200mg	6ml	50/pk	NCSP-SCX-200-6

Hi-Purit SPE Sorbent

Hi-Purit SPE Polymer Sorbent

Phase	Pore	um	pack size	Part number
HLB	70A	50um	100g	SHLB-7050100
Dura	75A	50um	100g	SDura-7050100
MCX	70A	50um	100g	SMCX-7050100
MAX	70A	50um	100g	SMAX-7050100
WCX	70A	50um	100g	SWCX-7050100
WAX	70A	50um	100g	SWAX-7050100
SCX	70A	50um	100g	SSCX-7050100
SAX	70A	50um	100g	SSAX-7050100

Hi-Purit SPE Silica Sorbent

Phase	Pore	um	pack size	Part number
C18	60A	50um	100g	SC18-6050100
C8	60A	50um	100g	SC8-6050100
Phenyl	60A	50um	100g	SPhenyl-6050100
Amino	60A	50um	100g	SAmino-6050100
Cyano	60A	50um	100g	SCyano-6050100
Silica	60A	50um	100g	SSilica-6050100
AL-N	60A	50um	100g	SAL-N-6050100
AL-A	60A	50um	100g	SAL-A-6050100
AL-B	60A	50um	100g	SAL-B-6050100

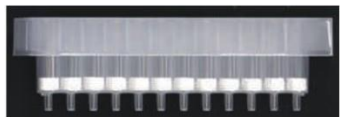
Vacuum Manifold: 12 port, 24 port



	Description	Package
NCI-SPEMF12G	MANIFOLD SPE 12 PORT	1 SET
NCI-SPEMF24	ROUND MANIFOLD SPE 24 PORT	1 SET
NCI-SPEMF12G	RECTANGULAR MANIFOLD SPE 24 PORT	1 SET
NCI-SPEMF12G	VACUUM PUMP WITHOUT COLLECTION	1 UNIT
NCI-SPEMF12G	VACUUM PUMP WITH COLLECTION	1 UNIT
NCI-SPEVP-12V	SINGLE STAGE OIL FREE VACUUM PUMP	1 UNIT



Hi-purit™ Solid Phase 1.0mL 96 Well Extraction Plates



Our silica based sorbents resist occlusion by proteinaceous materials from samples. We combine size exclusion and adsorption chromatography for better flow characteristics, enhanced detection and cleaner extracts. Each well is individually fritted to eliminate cross talk.

Phase	30mg/Well	50mg/Well	100mg/Well
	Cat. No.	Cat. No.	Cat. No.
C2	H9610C30	H9610C250	H9610C2100
C4	H9610C430	H9610C450	H9610C4100
C8	H9610C830	H9610C850	H9610C8100
C18	H9610C1830	H9610C1850	H9610C18100
Phenyl	H9610PH30	H9610PH50	H9610PH100
Silica	H9610Si30	H9610Si50	H9610Si100
Diol	H9610Di30	H9610Di50	H9610Di100
Cyano	H9610CN30	H9610CN50	H9610CN100
Amino (NH₂)	H9610NH30	H9610NH50	H9610NH100
SAX	H9610SAX30	H9610SAX50	H9610SAX100
SCX	H9610CX30	H9610CX50	H9610CX100
HLB	H9610HLB30	H9610HLB50	H9610HLB100
MCX	H9610MCX30	H9610MCX50	H9610MCX100
MAX	H9610MAX30	H9610MAX50	H9610MAX100
WCX	H9610WCX30	H9610WCX50	H9610WCX100
WAX	H9610WAX30	H9610WAX50	H9610WAX100

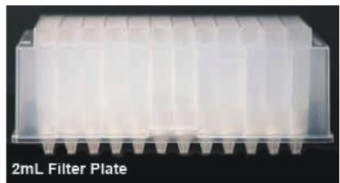
Hi-purit™ Solid Phase 2.0mL 96 Well Extraction Plates



Each well is individually fritted. Our 2.2mL/well SPE plates are manufactured from virgin medical grade polypropylene and have a standard footprint. The larger exit diameter of our wells enables a faster flow rate. Applications: Samples prepared in solid-phase extraction in drug development, drug analysis and pharmacokinetics.

Phase	50mg/Well	100mg/Well
	Cat. No.	Cat. No.
C2	H9620C250	H9620C2100
C4	H9620C450	H9620C4100
C8	H9620C850	H9620C8100
C18	H9620C1850	H9620C18100
Phenyl	H9620PH50	H9620PH100
Silica	H9620Si50	H9620Si100
Diol	H9620Di50	H9620Di100
Cyano	H9620CN50	H9620CN100
Amino (NH₂)	H9620NH50	H9620NH100
SAX	H9620SAX50	H9620SAX100
SCX	H9620CX50	H9620CX100
HLB	H9620HLB25	H9620HLB5100
MCX	H9620MCX25	H9620MCX50
MAX	H9620MAX25	H9620MAX50
WCX	H9620WCX25	H9620WCX50
WAX	H9620WAX25	H9620WAX50

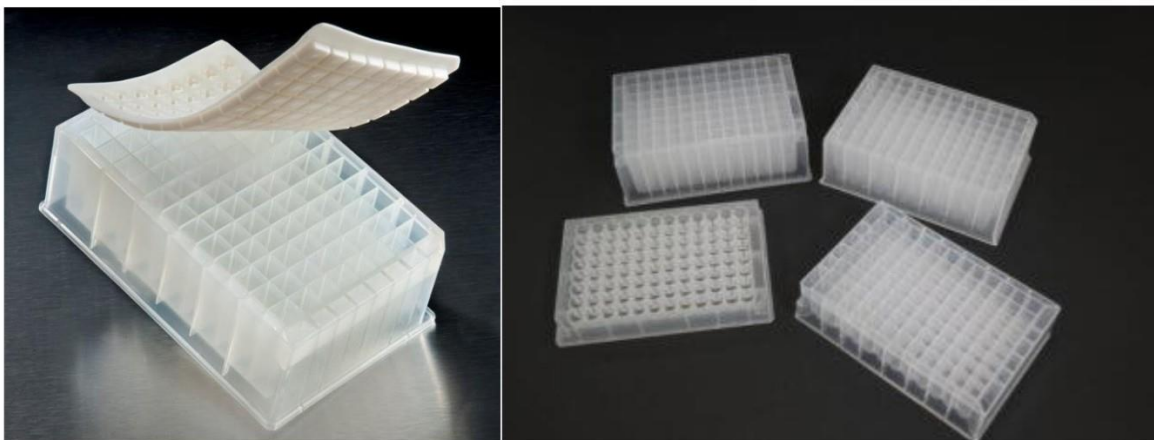
General Filtration Filter Plates



·After SPE
·Dilute and Shoot
·Use prior to LCMS and Microarraying
Filtration of Tissue Culture Media, Antibiotics, Alcohols and protein Solutions

Low Protein Binding Sample in Solvent		
Cat. No.	Description	UOM
96432 -10	1mL Hydrophilic PVDF, .020µm	10
96465 -10	2mL Hydrophilic PVDF, .020µm	10
96832 -10	1mL Hydrophilic PVDF, .045µm	10
96835 -10	2mL Hydrophilic PVDF, .045µm	10
96152 -10	1mL Hydrophilic PP, .020µm	10
96252 -10	2mL Hydrophilic PP, .020µm	10
96155 -10	1mL Hydrophilic PP, .045µm	10
96255 -10	2mL Hydrophilic PP, .045µm	10

96 COLLECTION PLATES & SEALING MAT (“U”&“V”)



SPE

Product Features:

NCI deep well plates, made of medical grade high purity polypropylene PP , high chemical stability, can be autoclaved, suitable for multi-channel pipettes and automated equipment, the product mainly has a round hole and square hole with round bottom and V bottom etc., in accordance with SBS regulations, can be stable stack high, reliable sealing, the u PP er part of the hole plate flat and uniform, to ensure the effectiveness of the seal, optional electron beam irradiation sterilization

CAT. #	Description	Specification			Standard
		Well Type	Bottom Shape	Volume (ml)	Pack pcs/pack
NC48WP-SU46	48 Square U-Bottom-Well Collection Plates	Square	U	4.6ml	24
NC96WP-SU10	96 Square U-Bottom-Well Collection Plates	Square	U	1.0ml	24
NC96WP-SU16	96 Square U-Bottom-Well Collection Plates	Square	U	1.6ml	24
NC96WP-SU22	96 Square U-Bottom-Well Collection Plates	Square	U	2.2ml	24
NC48WP-RU35	48 Square U-Round-Well Collection Plates	Round	U	3.5ml	24
NC96WV-RV36	96 Square V-Round-Well Collection Plates	Round	V	0.36ml	10
NC96WU-RU04	96 Square U-Round-Well Collection Plates	Round	U	0.4ml	10
NC96WP-RU10	96 Square U-Round-Well Collection Plates	Round	U	1.0ml	24
NC96WP-RU20	96 Square U-Round-Well Collection Plates	Round	U	2.0ml	24

Sealing Mate

M96WSC10	silicone Sealing mat for 96-Well Collection plate ,can be punctured	Round		1.0/0.4/0.36ml	10
NC96WSC20	silicone Sealing mat for 96-Well Collection plate ,can be punctured	Round		2.0ml	10
NC96WSS	silicone Sealing mat for 96-Well Collection plates	Square		2.2/1.6/1.0ml	10
NC96WSP	silicone Sealing mat for 96-Well Collection plates can be punctured .	Square		2.2/1.6/1.0ml	10
NC96WS	Adhesive Sealing film for Collection Plate	/		/	500

Hi-Purit FLASH CARTRIDGES

- * Ultra High purity,
- * Spherical Silica
- * Reliability
- * Efficiency
- * Consistency
- * Highly Reproducible
- * Rugged & Robust



Flash

Hi-Purit™ FLASH CHROMATOGRAPHY COLUMN PHASES



Hi-Purit™ FLASH CARTRIDGES

Hi-Purit™ Compatible Flash Chromatography Cartridges. Design with our Customer in Mind, the Hi-Purit Cartridges addresses typical disposable Flash Consumable challenges with performance improvements in Mind. Designed as the optimal consumable for most flash chromatography systems, the Hi-Purit Flash is known to be compatible with SimpliFlash BSR Flash Systems, Biotage Argonaut, & Manual Flash Systems.

- * Solvent Resident Polypropylene Flash Cartridges are used to pack Flash Grade Silica Gel (4gm, 12gm, 24gm, 40gm, 80gm, 120gm & 330gm)
- * Direct Luer Endfitting allows for easy connection to any Flash System.
- * Manufactured with Gradient Free compression Technology to deliver sharper separation, result less channeling & eliminate split peak.
- * Guarantee Leak Proof upto 150psi.
- * Alternative Length & Custom Sizes available to meet your specifications Project needs - less expensive than Columns Stacking.
- * Screw Cap allows for easy assembly.
- * Top & Bottom Frits included (Replacement Frits Available)

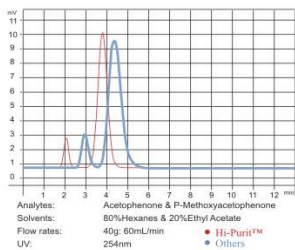


Specifications

Column Type : Single use, disposable
 SiO₂ : 99.99%
 pH Value : 6 - 8
 Specific Surface Area : 450-550m²/g
 Mesh Size : 230-400particle size
 Particle Size :Classic : 40-63µm
 Premium : 40-75µm
 Pore Volume : 0.65 - 0.85 ml/g
 Bulk Density : 0.5g/ml

Packing Size

Column Size	Description	Unit/Box
4g	Flash Columns	20/Pkg. & 240/Pkg.
12g	Flash Columns	20/Pkg. & 240/Pkg.
24g	Flash Columns	15/Pkg. & 180/Pkg.
40g	Flash Columns	12/Pkg. & 140/Pkg.
80g	Flash Columns	10/Pkg. & 120/Pkg.
120g	Flash Columns	10/Pkg. & 120/Pkg.
330g	Flash Columns	04/Pkg. & 45/Pkg.



Sample Size (g)	Column Size
4mg - 0.4g	4g
12mg - 1.2g	12g
24mg - 2.4g	24g
40mg - 4.0g	40g
80mg - 8.0g	80g
120mg - 12g	120g
330mg - 33g	330g

Hi-Purit™ CLASSIC SILICA GEL :

Hi-Purit™ Classic Silica Gels are Particle Size Distribution : 40-63µm, 60Å Mesh Size : 230-400

Ultrapure Silica Gel 40-63µm, used as a standard packing sorbent for disposable Flash Columns, features a narrow particle size distribution, low level of fines & low trace metal content, neutral pH, tightly controlled water content & high surface area providing the desired reproducible experimental result.

Granular or Irregular - shaped silica gel is commonly used for the following applications : Flash Chromatography, Classic Column Chromatography and Medium Pressure Liquid Chromatography (MPLC).

Silica Gels used for these applications are normally 60Å or sometimes 100Å. For larger porosities please visit our Spherical Silica Gel Pages.

Recommended Applications :

- * Aflatoxins.
- * Chloramphenicol.
- * Pesticides.
- * Steroids.
- * Vitamins.



Normal Phase Silica

Hi-Purit™ Normal Phase Flash Columns, Disposable for Flash Purification of Organic Compounds. With Highest Resolution & reproducibility. Hi-Purit Flash Columns operates under Normal Phase Separation (100% Hexane => 100% Ethyl Acetate) The Normal Phase going from non-polar to increasing polarity.

- * Reliable, Consistent Performance from Automated precision packing.
- * Long Shelf life in Air-tight.
- * High Flow Rate for fast purification of different Compounds
- * Luer Lock Endfitting compatible to all Organic Purification Instruments.

C-18 Phase

Hi-Purit™ C18 Flash Columns, Disposable for purification of medium to high polarity as well as Ion Compound to save time & money. Hi-Purit™ Rf Reverse Phase C18- re-validated silica flash columns provide reproducible, high-capacity purification.

- * Long Shelf life in Air-tight.
- * Luer Lock Endfitting compatible to all Organic Purification Instruments.

C-8 Phase

Hi-Purit™ C-8 Flash Columns can be used for reverse-phase purification of compounds with basic properties. Hi-Purit C-8 have a monolayer of C-8 alkali chain chemically bonded to the silica surface to reduce a reproducible an efficient stationary phase.

Phenyl Phase

Hi-Purit™ Phenyl Flash Columns can be used for reverse-phase purification of compounds with basic properties. Hi-Purit Phenyl shows unique selectivity for the analysis of aromatic & moderately polar compounds

- * High flow rate for fast resolution of Compounds.
- * Long shelf life in Airtight. Luer Lock Endfittings, compatible with all Automated Organic Purification Instruments.

Cyano Phase

Hi-Purit™ Cyano Flash Columns are chemically bonded with Cyanopropyl groups. For both Normal -Phase & Reverse -Phase Modes. This makes them versatile purification doing for separation. When used in Normal Phase Condition will perform compatible to normal phase silica gel using similar solvents. In reverse phase condition performance is similar to reverse-phase flash columns, although the elution order may be different.

Amino Phase

Hi-Purit™ Amino can be used in either Normal Phase or Reverse Phase for the Purification of compounds with basic properties. Purification on Amine-functionalised silica eliminates the need to add mobile phase modifier such as TEA as it is often done for Purification on Normal Phase Silica, this reduces the time required to remove solvents from purified fractions.

Diol Phase

Hi-Purit™ Diol Flash Columns are high performance media for difficult separation of low to medium polarity samples. Diol is as widely applicable for Normal Phase separation of Hydrophilic compounds. Hi-Purit™ shows retention behaviour of Normal Phase Chromatography when it is used with low-polarity.

C-4 Phase

Hi-Purit™ C-4 Flash Purification Columns achieves better separation than C18 for some types sample. Hi-Purit™ C-4 stationary Phase surface hydrophobicity is lower than that of C18 & C8. Retention times of samples on C-4 therefore tends to be shorter.

- * High flow rate for fast resolution of Compounds.
- * Long shelf life in Airtight. Luer Lock Endfittings, compatible with all Automated Organic Purification Instruments.

SAX Phase

HI-PURIT™ SAX are Strong Anion Exchange (SAX) fully retains Acetic Compounds. Hi-Purit™ SAX Columns can be used clean-up to or to isolate acetic products

SCX Phase

Hi-Purit™ SCX Flash Purification Columns are Strong Canon Exchange silica gel fully retains basic compounds. Hi-Purit™ SCX Flash Columns can be used as a clean-up to or isolate basic compounds.

- * High flow rate for fast resolution of Compounds.
- * Long shelf life in Airtight. Luer Lock Endfittings, compatible with all Automated Organic Purification Instruments.

Hi-Purit™ CLASSIC SILICA GEL:

Hi-Purit™ Classic Silica Gels are Particle size Distributors:40-63µm, 60Å Mesh Size:230-400 Ultrapure Silica Gel 40-63µm, used as a standard packing sorbent for disposable Flash Columns, features a narrow particle size distribution, low level of fin4es & low trace metal content, neutral pH, tightly controlled water content & high surface area providing the desired reproducible experimental result. Granular or Irregular-shaped silica gel is commonly used for the following applications: Flash Chromatography, Classic Column Chromatography and Medium Pressure Liquid Chromatography (MPLC).

Silica Gel used for these applications are normally 60Å or sometimes 100Å. For larger porosities please visit our Spherical Silica Gel Pages. Recommended Applications:

- * Aflatoxins.
- * Chloramphenicol.
- * Pesticides.
- * Steroids.
- * Vitamins.

Hi-Purit™ PREMIUM SILICA GEL:

Hi-Purit™ Premium Silica Gels are Particle Size Distribution: 40-75µm, 60Å Mesh Size : 230-400

Hi-Purit™ Premium Rf (Resolution factor) Silica Gel is the Finest Granular Silica Gel on the Market. This high purity product provides narrow particle & pore distribution & is designed to increase yield, making it ideal for complicated separations both in the lab & in full-scale production. Premium Rf Silica Gel is available in three particle size distributions: 20-45µm, 40-75µm, 75-200µm. Advantages of Premium Rf Silica Gel

- 1) Tighter Particle Distribution : 40-75µm/- 5% vs leading brands/- 10-12%. Better & easier packing .Silica No channeling in the bed, leading to tighter bands, thus better separation. Lower Pressure drop (fewer fine particles). Leading to faster flow, thus faster run time.
- 2) Small Pore Volume : Higher bulk Density. More Silica Gel per Column Volume , leading to greater loadability. Lower dead Volume, leading to less solvent use.
- 3) Tighter Pore Size Distribution : Minimum small pores. Maximum targeted surface area, leading to greater loadability. Minimum risk of product trapped in pores, leading to longer life time of the Silica Gel.
- 4) Purity : 99.99% SiO2 Our High Purity (Low metal Impurities) ensures maximum resolution versus the competition.
- 5) Side by side comparison trust of every major silica gel show our Hi-Purit™ to give the best results.
 - * Easier to pack.
 - * Faster Run Time.
 - * More Fractions.
 - * Better Resolution.



Flash



Normal Phase Silica

Hi-Purit™ Normal Phase Flash Columns, Disposable for Flash Purification of Organic Compounds. With Highest Resolution & reproducibility. Hi-Purit Flash Columns operates under Normal Phase Separation (100% Hexane => 100% Ethyl Acetate) The Normal Phase going from non-polar to increasing polarity.

- * Reliable, Consistent Performance from Automated precision packing.
- * Long Shelf life in Air-tight.
- * High Flow Rate for fast purification of different Compounds
- * Luer Lock Endfitting compatible to all Organic Purification Instruments.

Specifications :

Column Type : Single use, disposable
SiO₂ : 99.99%
pH Value : 6 - 8
Specific Surface Area : 450-550m²/g
Mesh Size : 230-400particle size
Particle Size : Classic : 40-63µm
Premium : 40-75µm
Pore Volume : 0.65 - 0.85 ml/g
Bulk Density : 0.5g/ml

Column Size	Description	Unit/Box	Catalogue Number (40-63µm)	Catalogue Number (40-75µm)
4g	Flash Columns	20 / Pkg.	NCNP-0463-20	NCNP-0475-20
12g	Flash Columns	20 / Pkg.	NCNP-1263-20	NCNP-1275-20
24g	Flash Columns	15 / Pkg.	NCNP-2563-15	NCNP-2575-15
40g	Flash Columns	12 / Pkg.	NCNP-4063-12	NCNP-4075-12
80g	Flash Columns	10 / Pkg.	NCNP-8063-10	NCNP-8075-10
120g	Flash Columns	06 / Pkg.	NCNP-12063-6	NCNP-12075-6
220g	Flash Columns	06 / Pkg.	NCNP-22063-6	NCNP-22075-6
330g	Flash Columns	04 / Pkg.	NCNP-33063-02	NCNP-33075-02
500g	Flash Columns	02/Pkg.	NCNP-50063-02	NCNP-50075-02
1000g	Flash Columns	02/Pkg.	NCNP-100063-02	NCNP-100075-02

Sample Size(g)	Column Size (g)
4mg - 0.4g	4g
12mg - 1.2g	12g
25mg - 2.5g	25g
40mg - 4.0g	40g
80mg - 8.0g	80g
120mg - 12g	120g
330mg - 33g	330g



C-18 Phase

Hi-Purit™ C18 Flash Columns, Disposable for purification of medium to high polarity as well as Ion Compound to save time & money. Hi-Purit™ Rf Reverse Phase C18- reactivated silica flash columns provide reproducible, high-capacity purification.

- * Long Shelf life in Air-tight.
- * Luer Lock Endfitting compatible to all Organic Purification Instruments.

Specifications :

Column Type : Single use, disposable
SiO₂ : 99.99%
Specific Surface Area : 450 - 550m²/g
Mesh Size : 230 - 400 particle size
Pore Size : 60Å
Particle Size : Classic : 40-63µm
Premium : 40-75µm
Pore Volume : 0.65 - 0.85 ml/g
Bulk Density : 0.5g/ml

Column Size	Description	Unit/Box	Catalogue Number (40-63µm)	Catalogue Number (40-75µm)
4g	Flash Columns	05 / Pkg.	NCC18-0463-05	NCC18-0475-05
12g	Flash Columns	05 / Pkg.	NCC18-1263-05	NCC18-1275-05
24g	Flash Columns	05 / Pkg.	NCC18-2563-05	NCC18-2575-05
40g	Flash Columns	05 / Pkg.	NCC18-4063-05	NCC18-4075-05
80g	Flash Columns	05 / Pkg.	NCC18-8063-05	NCC18-8075-05
120g	Flash Columns	04 / Pkg.	NCC18-12063-04	NCC18-12075-04
330g	Flash Columns	03 / Pkg.	NCC18-33063-03	NCC18-33075-03
500g	Flash Columns	03 / Pkg.	NCC18-50063-03	NCC18-50075-03
1000g	Flash Columns	01 / Pkg.	NCC18-100063-01	NCC18-100075-01

Column Size	Flow rate, ml/min	Max. Pressure (psi / bar)
4g	15-20	150/10
12g	20-40	150/10
25g	25-50	150/10
40g	30-60	150/10
80g	40-80	150/10
120g	60-120	150/10
220g	70-180	150/10



C-8 Phase

Hi-Purit™ C-8 Flash Columns can be used for reverse-phase purification of compounds with basic properties. Hi-Purit C-8 have a monolayer of C-8 alkali chain chemically bonded to the silica surface to reduce a reproducible an efficient stationary phase.

Hi-Purit™ Phenyl Flash Columns can be used for reverse-phase purification of compounds with basic properties. Hi-Purit Phenyl shows unique selectivity for the analysis of aromatic & moderately polar compounds

- * High flow rate for fast resolution of Compounds.
- * Long shelf life in Airtight. Luer Lock Endfittings, compatible with all Automated Organic Purification Instruments.

Phenyl Phase

Column Size	Description	Unit / Box	C-8 40-63µm Catalog Nos.	C-8 40-75µm Catalog Nos.	Phenyl 40-63µm Catalog Nos.	Phenyl 40-75µm Catalog Nos.
4g	Flash Columns	10 / Pkg.	NCC8-0463-10	NCC8-0475-10	NCPH-0463-10	NCPH-0475-10
12g	Flash Columns	10 / Pkg.	NCC8-1263-10	NCC8-1275-10	NCPH-1263-10	NCPH-1275-10
24g	Flash Columns	10 / Pkg.	NCC8-2563-10	NCC8-2575-10	NCPH-2563-10	NCPH-2575-10
40g	Flash Columns	10 / Pkg.	NCC8-4063-10	NCC8-4075-10	NCPH-4063-10	NCPH-4075-10
80g	Flash Columns	10 / Pkg.	NCC8-8063-10	NCC8-8075-10	NCPH-8063-10	NCPH-8075-10
120g	Flash Columns	04 / Pkg.	NCC8-12063-04	NCC8-12075-04	NCPH-12063-04	NCPH-12075-04
330g	Flash Columns	02 / Pkg.	NCC8-33063-02	NCC8-33075-02	NCPH-33063-02	NCPH-33075-02

Specifications :

Column Type : Single use, disposable
SiO₂ : 99.99%
pH Value : 6 - 8
Specific Surface Area : 450-550m²/g
Mesh Size : 230-400particle size
Particle Size : Classic : 40-63µm
Premium : 40-75µm
Pore Volume : 0.65 - 0.85 ml/g
Bulk Density : 0.5g/ml



Diol
Phase

C-4
Phase

Hi-Purit™ Diol Flash Columns are high performance media for difficult separation of low to medium polarity samples. Diol is as widely applicable for Normal Phase separation of Hydrophilic compounds. Hi-Purit™ shows retention behaviour of Normal Phase Chromatography when it is used with low-polarity.

Hi-Purit™ C-4 Flash Purification Columns achieves better separation than C18 for some types sample. Hi-Purit™ C-4 stationary Phase surface hydrophobicity is lower than that of C18 & C8. Retention times of samples on C-4 therefore tends to be shorter.

- * High flow rate for fast resolution of Compounds.
- * Long shelf life in Airtight, Luer Lock Endfittings, compatible with all Automated Organic Purification Instruments.

Column Size	Description	Unit / Box	Diol 40-63µm Catalog Nos.	Diol 40-75µm Catalog Nos.	C4 40-63µm Catalog Nos.	C4 40-75µm Catalog Nos.
4g	Flash Columns	10 / Pkg.	NCDI-0463-10	NCDI-0475-10	NCC4-0463-10	NCC4-0475-10
12g	Flash Columns	10 / Pkg.	NCDI-1263-10	NCDI-1275-10	NCC4-1263-10	NCC4-1275-10
24g	Flash Columns	10 / Pkg.	NCDI-2563-10	NCDI-2575-10	NCC4-2563-10	NCC4-2575-10
40g	Flash Columns	10 / Pkg.	NCDI-4063-10	NCDI-4075-10	NCC4-4063-10	NCC4-4075-10
80g	Flash Columns	10 / Pkg.	NCDI-8063-10	NCDI-8075-10	NCC4-8063-10	NCC4-8075-10
120g	Flash Columns	04 / Pkg.	NCDI-12063-04	NCDI-12075-04	NCC4-12063-04	NCC4-12075-04
330g	Flash Columns	02 / Pkg.	NCDI-33063-02	NCDI-33075-02	NCC4-33063-02	NCC4-33075-02

Specifications :
 Column Type : Single use, disposable
 SiO₂ : 99.99%
 pH Value : 6 - 8
 Specific Surface Area : 450-550m²/g
 Mesh Size : 230-400particle size
 Particle Size : Classic : 40-63µm
 Premium : 40-75µm
 Pore Volume : 0.65 - 0.85 ml/g
 Bulk Density : 0.5g/ml

Flash



SAX
Phase

SCX
Phase

HI-PURIT™ SAX are Strong Anion Exchange (SAX) fully retains Acetic Compounds. Hi-Purit™ SAX Columns can be used clean-up to or to isolate acetic products

Hi-Purit™ SCX Flash Purification Columns are Strong Canon Exchange silica gel fully retains basic compounds. Hi-Purit™ SCX Flash Columns can be used as a clean-up to or isolate basic compounds.

- * High flow rate for fast resolution of Compounds.
- * Long shelf life in Airtight, Luer Lock Endfittings, compatible with all Automated Organic Purification Instruments.

Column Size	Description	Unit / Box	SAX 40-63µm Catalog Nos.	SAX 40-75µm Catalog Nos.	SCX 40-63µm Catalog Nos.	SCX 40-75µm Catalog Nos.
4g	Flash Columns	10 / Pkg.	NCSAX-0463-10	NCSAX-0475-10	NCSCX-0463-10	NCSCX-0475-10
12g	Flash Columns	10 / Pkg.	NCSAX-1263-10	NCSAX-1275-10	NCSCX-1263-10	NCSCX-1275-10
24g	Flash Columns	10 / Pkg.	NCSAX-2563-10	NCSAX-2575-10	NCSCX-2563-10	NCSCX-2575-10
40g	Flash Columns	10 / Pkg.	NCSAX-4063-10	NCSAX-4075-10	NCSCX-4063-10	NCSCX-4075-10
80g	Flash Columns	10 / Pkg.	NCSAX-8063-10	NCSAX-8075-10	NCSCX-8063-10	NCSCX-8075-10
120g	Flash Columns	04 / Pkg.	NCSAX-12063-04	NCSAX-12075-04	NCSCX-12063-04	NCSCX-12075-04
330g	Flash Columns	02 / Pkg.	NCSAX-33063-02	NCSAX-33075-02	NCSCX-33063-02	NCSCX-33075-02

Specifications :
 Column Type : Single use, disposable
 SiO₂ : 99.99%
 pH Value : 6 - 8
 Specific Surface Area : 450-550m²/g
 Mesh Size : 230-400particle size
 Particle Size : Classic : 40-63µm
 Premium : 40-75µm
 Pore Volume : 0.65 - 0.85 ml/g
 Bulk Density : 0.5g/ml



Cyano
Phase

Amino
Phase

Hi-Purit™ Cyano Flash Columns are chemically bonded with Cyanopropyl groups. For both Normal -Phase & Reverse -Phase Modes. This makes them versatile purification doing for separation. When used in Normal Phase Condition will perform compatible to normal phase silica gel using similar solvents. In reverse phase condition performance is similar to reverse-phase flash columns, although the elution order may be different.

Hi-Purit™ Amino can be used in either Normal Phase or Reverse Phase for the Purification of compounds with basic properties. Purification on Amine-functionalised silica eliminates the need to add mobile phase modifier such as TEA as it is often done for Purification on Normal Phase Silica, this reduces the time required to remove solvents from purified fractions.

Column Size	Description	Unit / Box	Cyano 40-63µm Catalog Nos.	Cyano 40-75µm Catalog Nos.	Amino 40-63µm Catalog Nos.	Amino 40-75µm Catalog Nos.
4g	Flash Columns	10 / Pkg.	NCCN-0463-10	NCCN-0475-10	NCNH2-0463-10	NCNH2-0475-10
12g	Flash Columns	10 / Pkg.	NCCN-1263-10	NCCN-1275-10	NCNH2-1263-10	NCNH2-1275-10
24g	Flash Columns	10 / Pkg.	NCCN-2563-10	NCCN-2575-10	NCNH2-2563-10	NCNH2-2575-10
40g	Flash Columns	10 / Pkg.	NCCN-4063-10	NCCN-4075-10	NCNH2-4063-10	NCNH2-4075-10
80g	Flash Columns	10 / Pkg.	NCCN-8063-10	NCCN-8075-10	NCNH2-8063-10	NCNH2-8075-10
120g	Flash Columns	04 / Pkg.	NCCN-12063-04	NCCN-12075-04	NCNH2-12063-04	NCNH2-12075-04
330g	Flash Columns	02 / Pkg.	NCCN-33063-02	NCCN-33075-02	NCNH2-33063-02	NCNH2-33075-02

Specifications :
 Column Type : Single use, disposable
 SiO₂ : 99.99%
 pH Value : 6 - 8
 Specific Surface Area : 450-550m²/g
 Mesh Size : 230-400particle size
 Particle Size : Classic : 40-63µm
 Premium : 40-75µm
 Pore Volume : 0.65 - 0.85 ml/g
 Bulk Density : 0.5g/ml



NCI, Hi-Purit QuEChERS Method for Pesticide Residue Analysis

Overview

In 2003, Michelangelo Anastassiades and Steven J Lehotay scientists developed similar groundbreaking sample prep methods to simplify the processing in labs for pesticide analysis in food, which is named QuEChERS. The “QuEChERS” (Quick, Easy, Cheap, Effective, Rugged and Safe) / dispersive SPE (DSPE) method, is a sample prep technique and has become popular in the area of multi-residue pesticide analysis in food and agricultural products, etc.

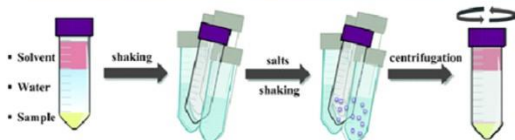
NCI Hi-Purit QuEChERS significantly improves laboratory efficiency and throughput. This procedure requires only small quantities of solvent and is capable of generating recoveries of 80-110% with RSDs <5% for a wide range of compounds. National Chromatography Inco, offers standard EN and AOAC QuEChERS kits, and also offers customized QuEChERS kits for customers, include different salt/sorbents pouches, extraction kit and clean-up kit.

A process in two steps

1. Extraction

- Solvent extraction techniques are designed to achieve maximum yield of analytes from the base matrix.
- Solvent selection is important to minimize co-extracting compounds.
- Analytes are extracted from the matrix with acetonitrile and salts/buffers.

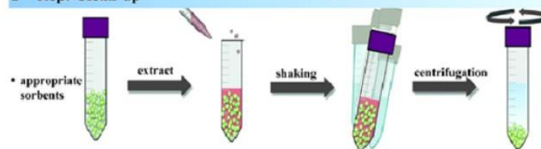
1st step: extraction



2. Clean-up

- Sample clean-up is necessary to reduce interferences.
- Interferences can damage analytical instrumentation and complicate analyte identification and quantification.
- The use of PSA, C18, GCB (Graphitized Carbon Black) or Z-Sep sorbents allow removal of sugars, lipids, sterols, organic acids, proteins, carotenoids, chlorophyll and other pigments prior to a GC-MS/MS or LC-MS/MS analysis.
- Homogenize sample
- Transfer sample to 50mL tube
- Add ACN and internal standard and shake for 1 min
- Extraction: Add extraction salts and centrifuge
- Clean-up: Transfer supernatant to clean-up tube
- Shake and centrifuge

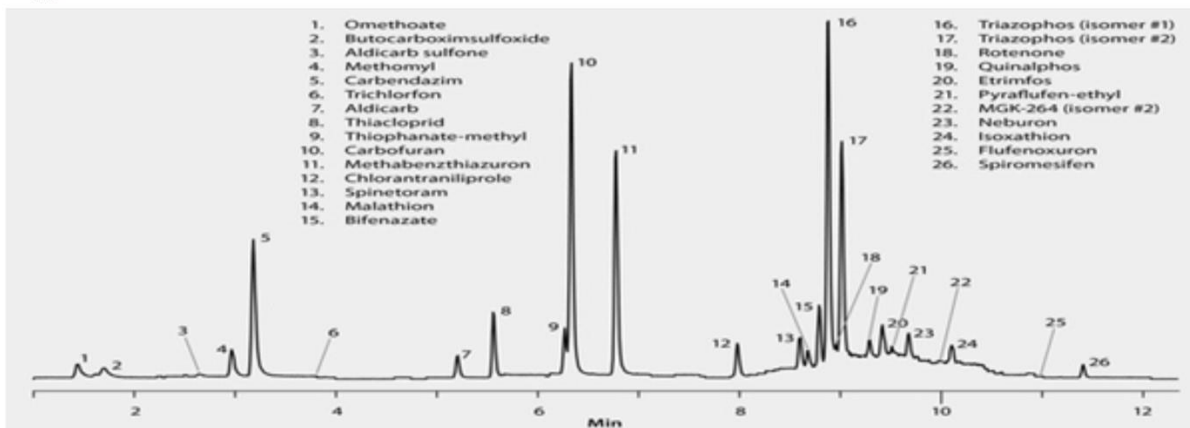
2nd step: Clean-up



Instruments

- LC-MS/MS Analysis: Dilute extract with mobile phase
- GC-MS analysis: Analyze directly or after solvent exchange

Application





Sorbent blends with NCI Primary-secondary amine (PSA), C18 and Graphitized carbon black (GCB). The pre-weighed sorbents and buffers for use with both the AOAC (2007.01) and CEN (EN 15662) QuEChERS methods. The clean-up tubes are available in the standard 2 mL size as well as a 15 mL size for sample enrichment.

Advantages

- Easy and straightforward methods that require little training
- Decrease in overall sample preparation time
- Consistent and reliable devices from a single vendor
- Efficient, cost effective method which can accommodate a wide variety of commodities
- Improved consistency in extraction products
- Improved lab efficiency and workflow
- Improved quality

Features

- Satisfactory recoveries for a wide variety of pesticides, veterinary drugs and additives in many food matrices
- Streamlined procedure with few simple steps, lowering potential errors
- Minimal organic solvent usage, safer for analysts and environment-friendly
- Saving time and cost significantly

Related Methods

- NCI Hi-Purit provides QuEChERS kits dedicated for most common methods:
- BS EN 15662:2018 Foods of plant origin-Multimethod for the determination of pesticide residues using GC-and LC-based analysis following acetonitrile extraction/ partitioning and clean-up by dispersive SPE-Modular QuEChERS-method.
- AOAC Official Method 2007.01 Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate.

Order Information

AOAC 2007.01 Kits			
Cat#	Description	Sorbents	Qty
COQ050020H	Extraction Salts+50 mL Tube	6 g MgSO ₄	50/Box
COQ050020CH	Extraction Salts+50 mL Tube + Ceramic Homogenizers	1.5 g NaOAc	50/Box
BS EN 15662: 2018 Kits			
Cat#	Description	Sorbents	Qty
COQ050010H	Extraction Salts+50 mL Tube	4 g MgSO ₄ , 1 g NaCl	50/Box
COQ050010CH	Extraction Salts+50 mL Tube + Ceramic Homogenizers	1 g Trisodium	50/Box
Original Method Kits			
Cat#	Description	Sorbents	Qty
COQ050020H	Extraction Salts+50 mL Tube	4 g MgSO ₄	50/Box
COQ050020CH	Extraction Salts+50 mL Tube + Ceramic Homogenizers	1 g NaCl	50/Box
Ceramic Homogenizers			
Cat#	Description	Sorbents	Qty
009903B	Ceramic Homogenizers, 50 mL	XXX need to fill the sorbent	50/Box

QuEChERS Premixed Extraction Salts

NCI Hi-Purit offers QuEChERS Premixed Extraction Salts are suitable for various QuEChERS Standards and used in analysis of multi-residual pesticides.

Features

- * Optimized premixed formula, more flexible operation
- * Two packages optional: easy-cut pouches and bottle
- * Package Suitable for AOAC 2007, EN 15662 standards, etc.

Order Information

AOAC 2007.01 Kits			
Cat#	Description	Sorbents	Qty
COQP6150	Extraction Pouches	6 g MgSO ₄	50/Box
COQS6150	Bottled Premixed Extraction Salts	1.5 g NaOAc	1 kg/Bottle
BS EN 15662: 2018 Kits			
Cat#	Description	Sorbents	Qty
COQP4115	Extraction Pouches	4 g MgSO ₄ , 1 g NaCl	50/Box
COQS4115	Bottled Premixed Extraction Salts	1 g Trisodium	1 kg/Bottle
Original Method Kits			
Cat#	Description	Sorbents	Qty
COQ050020H	Extraction Pouches	4 g MgSO ₄	50/Box
COQ050020CH	Bottled Premixed Extraction Salts	1 g NaCl	1 kg/Bottle

QuEChERS Clean-up Pouches

NCI Hi-Purit offers QuEChERS Clean-up Pouches are used for analyzing multiresidual pesticides. National Chromatography Inco uses its automatic powder distribution technology to transfer the sorbent into pouches instead of tube, which is very convenient to match with customer's own 15 mL centrifuge tubes.

Features

- * Save 50% of volume, convenient for transportation, saving laboratory space
- * Easy-Cut package to open easily without any cutting tooling
- * Lower cost, suitable for mass quantity testing

Order Information

Cat#	Type	Sorbents	Qty
COQ015031P	AOAC 2007	400 mg PSA, 1200 mg MgSO ₄	4 100/Box
COQ015033P	AOAC 2007	400 mg PSA, 400 mg C18, 1200 mg MgSO ₄	4 100/Box
COQ015036P	AOAC 2007	400 mg PSA, 400 mg GCB, 1200 mg MgSO ₄	4 100/Box
COQ015040P	AOAC 2007	400 mg PSA, 400 mg C18, 400 mg GCB, 1200 mg MgSO ₄	4 100/Box
COQ015025P	AOAC 2007	150 mg C18, 900 mg MgSO ₄	4 100/Box
COQ015035P	AOAC 200	400 mg PSA, 400 mg C18, 45 mg GCB, 1200 mg MgSO ₄	4 100/Box
COQ015022P	EN 15662	150 mg PSA, 900 mg MgSO ₄	4 100/Box
COQ015032P	EN 15662	150 mg PSA, 150 mg C18, 900 mg MgSO ₄	4 100/Box
COQ015020P	EN 15662	150 mg PSA, 15 mg GCB, 900 mg MgSO ₄	4 100/Box
COQ015024P	EN 15662	150 mg PSA, 45 mg GCB, 900 mg MgSO ₄	4 100/Box



QuEChERS Clean-Up kits

NCI Hi-Purit offers QuEChERS Clean-up Kits includes sorbents and MgSO₄, 2 mL and 15 mL centrifuge tubes, ceramic homogenizers are optional as well. The sorbents include PSA/C18-EC/GCB, etc. PSA is to remove the fatty acids and organic acids from samples. C18-EC is to remove the fats from samples, GCB is to remove the pigment from samples choose appropriate sorbent combination with different samples

Features

- Supply 2 mL or 15 mL purification tubes
- Suitable for AOAC 2007, EN 15662 standards, etc.

Ordering Information :

BS EN 15662: 2018 KITS

Cat No	Size	Application	Sorbents	Qty
5200.126	2 ml	General Food and vegetables	25mg PSA, 150mg MgSO ₄	100/Box
5200.127	15ml		150mg PSA, 500mg MgSO ₄	50/Box
5200.128	2ml	General Fruits and Vegetables with fats and waxe	25mg PSA, 25mg C18, 150mg MgSO ₄	100/Box
5200.129	15ml		150mg PSA, 150mg C18, 900mg MgSO ₄	50/Box
5200.131	2ml	General fruits and vegetables with pigment	25mg PSA, 2.5mg GCB, 150mg MgSO ₄	100/Box
5200.132	15ml		150mg PSA, 15mg GCB, 900mg MgSO ₄	50/Box
5200.133	2ml	General fruits and vegetables with highly pigment	25mg PSA, 7.5mg GCB, 150mg MgSO ₄	100/Box
5200.134	15ml		150mg PSA, 45mg GCB, 900mg MgSO ₄	50/Box

AO AC 2007.01 KITS

Cat No	Size	Application	Sorbents	Qty
5100.405	2 ml	General Food and vegetables	50mg PSA, 150mg MgSO ₄	100/Box
5100.406	15ml		400mg PSA, 1200mg MgSO ₄	50/Box
5100.407	2ml	General Fruits and Vegetables with fats and waxe	50mg PSA, 50mg C18, 150mg MgSO ₄	100/Box
5100.408	15ml		400mg PSA, 400mg C18, 1200mg MgSO ₄	50/Box
5100.409	2ml	General fruits and vegetables with pigment	50mg PSA, 50mg GCB, 150mg MgSO ₄	100/Box
5100.411	15ml		400mg PSA, 400mg GCB, 1200mg MgSO ₄	50/Box
5100.412	2ml	General Fruits and Vegetables with Pigments and fats	50mg PSA, 50mg C18, 50mg GCB 150mg MgSO ₄	100/Box
5100.413	15ml		400mg PSA, 400mg C18, 400mg GCB 1200mg MgSO ₄	50/Box
5100.414	2ml	Other food methods	25mg C18, 150mg MgSO ₄	100/Box
5100.415	15ml		150mg C18, 900mg MgSO ₄	50/Box
5100.416	2ml	All food types	50mg PSA, 50mg C18, 50mg GCB 150mg MgSO ₄	100/Box
5100.417	15ml		400mg PSA, 400mg C18, 400mg GCB 1200mg MgSO ₄	50/Box

Multi-Tube Vortexes

NCI offers; model NC-1000 is a multi-tube vortexer with various functions and powerful shaking of sample, especially suitable for QuEChERS, as well as general sample extraction. With strong vortex and shearing force, it boosts sample dissolution and blending.

Features

- ▣ 2500 r/min Sufficient extraction of samples
- ▣ Optional intermittent pulse blending mode, suitable for viscous samples
- ▣ Specially designed for QuEChERS extraction and purification, ensures vortex result
- ▣ Matching special centrifuge tube rack, easy observation
- ▣ The extraction efficiency of positive samples meets the requirements



Cat#	Description	Qty
NC-1000	National Chromatography Inco® multi-tube Vortexer	1 set/Box
Description	Specifications	
Speed Range	500-2500 rpm	
Accuracy of speed	±1 rpm	
Amplitude	3.6 mm	
Timer Range	0 s~99 H 59 M	
Interval pause timing range	1~99 s	
Interval operation timing range	1~999 s	
Interval operation timing range	4.5 kg	
Input power	AC 100~230 V, 50/60 Hz	
Capacity	75 W	
Size(L × W × H)	426 × 246 × 474 mm	

Maxsil PTFE Syringe Filter



Applications :

- * Organic Solvent with strong chemical causticity filtration
- * Strong acid Solvent filtration
- * Alkali Solvent Filtration



Maxsil Syringe Filters are purpose-built with features designed to bring the highest levels of performance & purity to your research. We incorporate a variety of membranes to offer separation & purification solutions for the majority of your laboratory needs.

Features & Benefits :

- * Broad Chemical Compatibility
- * Strong chemical stability & inertia
- * Strong hydrophobicity
- * Syringe Filters for Cell Culture provide effective filtration for a wide variety of sample types. They are available in two pore sizes (0.22µm & 0.45µm) four different membrane types.
- * All items are quality tests for filter efficacy & housing integrity. The housing is pressure tested for use with up to 75 psig (5.0bar) of pressure
- * Designed with a Female Luer-Lok inlet & Male Luer-Lok slip outlets.
- * Some Filters are individually wrapped sterile, certified RNase-free, DNase-free.
- * Non-pyrogenic, & DNA-free.

Parameters	13mm	25mm	30mm
Membrane Material	PTFE	PTFE	PTFE
Housing Material	PP	PP	PP
Filter Diameter (mm)	13mm	25mm	30mm
Filtration Area (cm ²)	0.65	3.90	4.60
Pore Size (µm)	0.22 0.45	0.22 0.45	0.22 0.45
Holdup Volume (µl)	<10	<30	<55
Sample Volume (ml)	<12	<100	<140
Maximum Operating Temperature	130° C	130° C	130° C
Maximum Operating Pressure (psi)	130	130	130
Applicable pH Value	1 – 14	1 – 14	1 – 14

Maxsil PES Syringe Filter



Applications :

- * Sterile filtering protein solution
- * Tissue culture media filtration
- * Tissue culture additive filtration

Parameters	13mm	25mm	30mm
Membrane Material	PES	PES	PES
Housing Material	PP	PP	PP
Filter Diameter (mm)	13mm	25mm	30mm
Filtration Area (cm ²)	0.65	3.90	4.60
Pore Size (µm)	0.22 0.45	0.22 0.45	0.22 0.45
Holdup Volume (µl)	<10	<30	<55
Sample Volume (ml)	<12	<100	<140
Maximum Operating Temperature	90° C	90° C	90° C
Maximum Operating Pressure (psi)	50	95	120
Applicable pH Value	1 – 14	1 – 14	1 – 14

Maxsil MCE Syringe Filter



Applications :

- * Electric semiconductor industrial water filtration.
- * Chemicals Filtration
- * Beverage Filtration

Parameters	13mm	25mm	30mm
Membrane Material	MCE	MCE	MCE
Housing Material	PP	PP	PP
Filter Diameter (mm)	13mm	25mm	30mm
Filtration Area (cm ²)	0.65	3.90	4.60
Pore Size (µm)	0.22 0.45	0.22 0.45	0.22 0.45
Holdup Volume (µl)	<10	<30	<55
Sample Volume (ml)	<12	<100	<140
Maximum Operating Temperature	110° C	110° C	110° C
Maximum Operating Pressure (psi)	120	120	120
Applicable pH Value	4 – 8	4 – 8	4 – 8

Maxsil Nylon Syringe Filter



Applications :

- * Electric semiconductor industrial water filtration.
- * Chemicals Filtration
- * Beverage Filtration



Maxsil Syringe Filters are purpose-built with features designed to bring the highest levels of performance & purity to your research. We incorporate a variety of membranes to offer separation & purification solutions for the majority of your laboratory needs. Nylon-providing a broad range of chemical compatibility for the filtration of either aqueous or organic solvents, hydrophobic, can be used in a broad pH range.

Features & Benefits :

- * Hydrophilic Property * No need to moist before hand
- * Uniform aperture* Strong tenacity & adsorbability
- * Syringe Filters for Cell Culture provide effective filtration for a wide variety of sample types.
- * All items are quality tests for filter efficacy & housing integrity. The housing is pressure tested for use with up 75 psig (5.0 bar) of pressure
- * Designed with a Female Luer-Lok inlet & Male Luer slip outlets.
- * Some Filters are individually wrapped sterile, certified RNase-free, DNase-free,
- * Non-pyrogenic, & DNA-free.

Parameters	13mm	25mm	30mm
Membrane Material	Nylon	Nylon	Nylon
Housing Material	PP	PP	PP
Filter Diameter (mm)	13mm	25mm	30mm
Filtration Area (cm ²)	0.65	3.90	4.60
Pore Size (µm)	0.22 0.45	0.22 0.45	0.22 0.45
Holdup Volume (µl)	<10	<30	<55
Sample Volume (ml)	<12	<100	<140
Maximum Operating Temperature	100° C	100° C	100° C
Maximum Operating Pressure (psi)	75	95	110
Applicable pH Value	3 – 12	3 – 12	3 – 12

Maxsil PVDF Syringe Filter



Applications :

- * Gas filtration.
- * Vapor filtration
- * High-temperature filtration
- * Food industry
- * Medicine filtration



Maxsil Syringe Filters are purpose-built with features designed to bring the highest levels of performance & purity to your research. We incorporate a variety of membranes to offer separation & purification solutions for the majority of your laboratory needs. PVDF (Polyvinylidene fluoride) -extremely low protein-binding, for filtration of non-aggressive aqueous & mild organic solutions, or were maximizing protein recovery is important.

Features & Benefits :

- * Good heat-endurance & chemical stability, strong hydrophobicity
- * Syringe Filters for Cell Culture provide effective filtration for a wide variety of sample types. They are available in two pore sizes (0.22µm & 0.45µm)
- * All items are quality tests for filter efficacy & housing integrity. The housing is pressure tested for use with up 75 psig (5.0bar) of pressure
- * Designed with a Female Luer-Lok inlet & Male Luer slip outlets
- * Some Filters are individually wrapped sterile, certified RNase-free, DNase-free
- * Non-pyrogenic & DNA-free.

Parameters	13mm	25mm	30mm
Membrane Material	PVDF	PVDF	PVDF
Housing Material	PP	PP	PP
Filter Diameter (mm)	13mm	25mm	30mm
Filtration Area (cm ²)	0.65	3.90	4.60
Pore Size (µm)	0.22 0.45	0.22 0.45	0.22 0.45
Holdup Volume (µl)	<10	<30	<55
Sample Volume (ml)	<12	<100	<140
Maximum Operating Temperature	100° C	100° C	100° C
Maximum Operating Pressure (psi)	50	95	110
Applicable pH Value	1 – 14	1 – 14	1 – 14

2000ml Lab Glassware Vacuum Filtration Membrane Buchner Funnel Flask Apparatus Kit

- 2000ml Vacuum suction filter device configuration: 500ml filtering cup, 2000ml Conical flask, high borosilicate glass filtering head.
- With high transparency & high chemical stability & Strong acid & alkali resistance



Membrane filters for filtration material

- Nylon membranes** are hydrophilic with broad chemical compatibility and are recommended for applications requiring very low extractables. They can exhibit high protein and small molecule binding and are not recommended for biological samples, but can be used for filtering protein-free media.
- PTFE membranes** feature high chemical compatibility and low protein and small molecule binding, and are useful in filtering aggressive chemicals.
- Hydrophilic PVDF membranes** are very low protein binding and are recommended for filtering protein solutions.
- Glass fiber filters are produced from borosilicate glass fibers and are typically used for pre-filtration.
- Polyethersulfone (PES) membranes** are recommended for filtering culture media, as they exhibit fast flow rates and low protein binding.
- Cellulose acetate (CA) membranes** are ideal for filtering biological samples and culture media containing sera, as they exhibit very low protein and macromolecule binding.
- Cellulose nitrate (CN) membranes** are recommended for general buffer filtration and feature low extractables but high protein binding.

Filters

Ordering information

Part No	Membrane Type	Disc size in mm	Pore size (µm)	Unit
NY661302-MF	Nylon 66	13	0.2	100/pk
NY661345-MF	Nylon 66	13	0.45	100/pk
NY662502-MF	Nylon 66	25	0.2	100/pk
NY662545-MF	Nylon 66	25	0.45	100/pk
NY664702-MF	Nylon 66	47	0.2	100/pk
NY664745-MF	Nylon 66	47	0.45	100/pk
PTFE2502-MF	PTFE	25	0.2	100/pk
PTFE2545-MF	PTFE	25	0.45	100/pk
PTFE4702-MF	PTFE	47	0.2	100/pk
PTFE4745-MF	PTFE	47	0.45	100/pk
PVDF2502-MF	PVDF	25	0.2	100/pk
PVDF2545-MF	PVDF	25	0.45	100/pk
PVDF4702-MF	PVDF	47	0.2	100/pk
PVDF4745-MF	PVDF	47	0.45	100/pk
PES2502-MF	PES	25	0.2	100/pk
PES2545-MF	PES	25	0.45	100/pk
PES4702-MF	PES	47	0.2	100/pk
PES4745-MF	PES	47	0.45	100/pk
MCE4702-MF	MCE	47	0.2	100/pk
MCE4745-MF	MCE	47	0.45	100/pk



National Chromatography is providing complete solution for all the laboratory vials and accessories users by manufacturing, engineering with In-house manufacturing and packing facility are with class 1 clean room.

Autosampler Vials
HPLC Vials
GC Vials
Storage Vials

All glass ware are Type 1 Borosilicate glass, 3.3 expansion are used to manufacture all vials



NCI vials identify figure and specification.

8-425 Open screw neck 2ml vials
Compatible Shimadzu Instrument



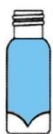
Size: 32x11.6mm
Glass: Clear / Amber

9-425 Open screw neck 2ml vials
Compatible Agilent Instruments



Size: 32x11.6
Glass: Clear/ Amber

9mm screw neck 1.5ml High recovery vials
Compatible: Agilent Instruments



Size: 32x11.6mm
Glass: Clear

9-425 screw neck 2ml High recovery
Compatible: Agilent Instrument



Size: 32x11.6mm
polypropylene

11mm Crimp neck 2mL vials



Size L 32x11.6mm
Glass: Clear / Amber

11mm snap neck 2ml vials



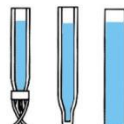
Size: 32x11.6mm
Glass: Clear / Amber

13-425 screw neck 4ml vials
Compatible: Waters wisp48

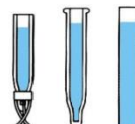


Size: 45x14.7mm
Glass: Clear / Amber

Insert (Glass / PP)
8-425 for 8ml Vials



Insert (Glass / PP)
9-425 for 9ml vials screw neck.



(11mm crimp top/ snap neck vials)

15-425 screw neck 8ml vials



Size: 61x16.6mm
Glass: Clear/Amber

18-400 screw neck 15ml vials



Size: 71x20.6mm
Glass: Clear / Amber

24-400 screw neck 20ml EPA/VOC vials



Size: 57x27.5mm
Glass: Clear

24-400 screw neck 40ml EPA/VOC vials



Size: 95x27.5mm
Glass: Clear

20mm crimp neck, 20ml Head space vials



75.5x22.5mm
Flat & Round Bottom

20mm crimp neck 10ml Head space vials



Size: 46x22.5mm

18mm screw neck, 10ml Head space vials



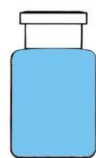
Size: 46x22.5mm

18mm screw neck, 20ml Head space vials



Size: 75.5x22.5mm

20 crimp neck 6ml Head space vials



Size: 38x22mm

Vials

Autosampler Vials. 8mm Screw Neck for Shimadzu HPLC



Catalog Number	Standard Mouth (8 x 425) 12mm x 32mm
NCS-2-1232 - 08	2ml Clear Glass Screw Top Vials (100 Per Pack)
NCAS-2-1232 - 08	2ml Amber Glass Screw Top Vials (100 Per Pack)
	Closures
NCBSC - 08	Black Screw Caps (100 Per Pack)
NCBSCS- 08	Black Screw Caps with Red PTFE/Silicone Septa (100 Per Pack)
NCSS - 08	8mm Red PTFE / Silicone Septa (100 Per Pack)
NCSSS- 08	8mm Blue PTFE / White Silicone Pre-Slit Septa (100 Per Pack)



Autosampler Vials. 9mm Screw Neck for Agilent & Waters HPLC



Catalog Number	Wide Mouth (9 x 425) 12mm x 32mm
NCS -2- 1232- 09	2ml Clear Glass Screw Top Vials (100 Per Pack)
NCS -2- 1232 - 09 W/S	2ml Clear Glass Screw Top Vials With Write-on-Spot (100 Per Pack)
NCAS-2-1232 - 09 - W/S	2ml Amber Glass Screw Top Vials with write - on - Spot (100 Per Pack)
NCAS -2- 1232 - 09	2ml Amber Glass Screw Top Vials (100 Per Pack)
PP - 1232 - 09 - LVS	Polypropylene Low Volume Recovery Vials with 350µl Built-in PP Inserts. (100 Per Pack)



Vials

CLOSURES



NCBSCRS - 09	Blue Screw Caps with PTFE / Red Rubber Septa (100 Per Pack)
NCBSCSS- 09	Blue Screw Caps with PTFE / Silicone Septa (100 Per Pack)
NCBSCSSS- 09	Blue Caps with Slit PTFE / Silicon Septa (100 Per Pack)
NCBSC - 09	Blue Open Top Screw Caps (100 Per Pack)
NCKBSCSSS- 09	Knurled Blue Screw Caps with Slit PTFE / Silicone Septa (100 Per Pack)
NCSSS-09	9mm Pre-slit Red PTFE / White Silicon Septa. (100 Per Pack)
NCRS - 09	9mm PTFE / Red Rubber Septa (100 Per Pack)
NCSS - 09	9mm Red PTFE / White Silicone Septa (100 Per Pack)
309044	Blue Screw Caps with Bonded PTFE / Silicone Slit Septa (100 Per Pack)
SBC - 09 - 0	9mm Star Burst Caps (100 Per Pack)

CRIMP TOP GLASS VIALS



NC-2- 1232 – C	2ml Clear Glass Crimp Top Vials (100 Per Pack)
NC-2- 1232 – C-W/S	2ml Clear Glass Crimp Top Vials with Write-on Spot (100 Per Pack)
NC- 2-1232- A	2ml Amber Glass Crimp Top Vials (100 Per Pack)
NC- 1232-A-W/S	2ml Amber Glass Crimp Top Vials with Write-on Spot (100 Per Pack)
Closures	
NCCC – 11 – 1	11mm Aluminium Crimp Cap with PTFE / Red Rubber Septa (100 Per Pack)
NCCC – 11 – 2	11mm Aluminium Crimp Cap with PTFE / Silicon Septa (100 Per Pack)
NCCC – 08 – 1	8mm Aluminium Cap with PTFE / Red Rubber Septa (100 Per Pack)

SNAP – TOP VIALS



Catalog Number	Wide Mouth 12mm x 32mm
NC-2-1232-CST	2ml Clear Glass Snap Top Vials (100 Per Pack)
NC-2-1232-CST-W/S	2ml Clear Glass Snap Top Vials with Write-on Spot (100 Per Pack)
NC-2-1232 –AST-W/S	2ml Amber Glass Snap Top Vials with write-on Spot (100 Per Pack)
Closures	
NCNC – 12 – 4	Clear Polyethylene Snap Caps with Solid Polyethylene Membrane Septa (100 / Pack)
NCNC – 12 – 2	Clear Polyethylene Snap Caps with Red PTFE / Silicone Septa (100 Per Pack)
NCNC – 12 – 1	Clear Polyethylene Snap Caps with PTFE / Red Rubber Septa (100 Per Pack)
NCNC – 12 – 5	Clear Polyethylene Snap Cap with Moulded Star Bust Septa (100 Per Pack)

Inserts (Glass and PP)

Catalog Number	Low Volume Inserts for 9mm Thread Vials.
NCI – 0630 – 09 – 4	50µl Glass Insert with bottom spring (100 Per Pack)
NCI – 0630 – 09 – 3	100µl Glass Insert with spring (100 Per Pack)
NCI – 0630 – 09 – 2	250µl Glass Insert without spring (100 Per Pack)
NCI – 0630 – 09 – 0	250µl Glass Insert with bottom spring (100 Per pack)
NCI – 0630 – 09 – 0	350µl Flat bottom Insert (100 Per Pack)
Low Volume Inserts for 8mm Thread Standard Mouth Vials.	
NCI – 0530 – 08 – 3	50µl Glass Insert with bottom spring (100 Per Pack)
NCI – 0530 – 08 – 2	100µl Glass Insert with bottom spring (100 Per Pack)
NCI – 0530 – 08 – 1	200µl Glass Insert without bottom spring (100 Per Pack)
NCI – 0530 – 08 – 0	250µl Flat bottom Insert (100 Per Pack)



HIGH RECOVERY VIALS

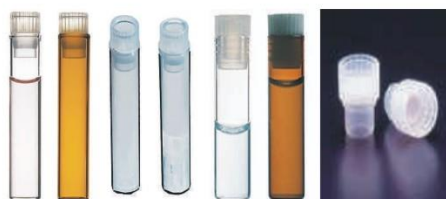
National Chroma offers a wide selection of high-recovery vials. Manufactured from highly resistant Type I borosilicate glass, you can choose from our standard high-recovery vials engineered for automated systems or we can design a custom vial for your specific application. Bar-coding and Tare/Weigh services are also available.



Part No	Volume	Color	Description	Finish	Style	Dimension	Case pk
NCS-3212HR-CCG	1.5 mL	Clear	Tapered bottom HRV	11mm	Crimp	12x32	100
NCS-3212HR-CSG	1.5 mL	Clear	Tapered bottom HRV	11mm	Snap	12x32	100
NCS-3212HR-CG	1.5 mL	Clear	Tapered bottom HRV	9mm	Screw Thread	12x32	100
NCS-3212HR-CG	1.5 mL	Clear	Tapered bottom HRV	10*425	Screw Thread	12x32	100



SHELL VIALS (Glass & PP)



Catalog Number	8mm x 40mm Shell Vials for Waters WISP 96 Position Autosampler
NCH – 0840 – 08 – 0	1.2ml Clear Glass Shell Vials without Plug (100 Per Pack)
NCAH – 0840 – 08 – 0	1.2ml Amber Glass Shell Vials without Plug (100 Per Pack)
NCH – 0840 – 08 – 0	1.2ml Polypropylene Shell Vials without Plug (100 Per Pack)

Catalog Number	12mm x 32mm Shell Vials
NCH – 1232 – 12 – 0	2ml Clear Glass Shell Vials without Plug (100 Per Pack)
NAH – 1232 – 12 – 0	2ml Amber Glass Shell Vials without Plug (100 Per Pack)
NCH – 1232 – 12 – 0	2ml Polypropylene Shell Vials without Plug (100 Per Pack)

Closures – Polyethylene Snap Plugs.	
NCNP – 08 – 5	8mm Clear Snap Plug with Star Bust (100 Per Pack)
NCNP – 12 – 5	12mm Clear Snap Plug with Star Bust (100 Per Pack)

GC Headspace Vials (Agilent, Shimadzu & Perkin Elmer)

National Chromatography Inco, Headspace Vials - Manufactured from Type 1 Borosilicate Glass - Available in 6ml, 9ml, 10ml, 12ml, 20ml and 27ml - Clear or Amber - Finishes available in 20mm standard crimp seal or beveled finish and 18mm screw thread - Radius (Rounded) bottom or flat bottom styles



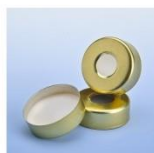
Head Space Vails



CLOSURES

Catalog Number	
NCC – 2375 – SM – F (23mm x 75mm)	20ml Flat Bottom Vials (100 Per Pack)
NCC – 2375 – SM – R (23mm x 75mm)	20ml Round Bottom Vials (100 Per Pack)
NCC – 2346 – SM – F (23mm x 46mm)	10ml Flat Bottom Vials (100 Per Pack)
NCC – 3060 – SM – F (30mm x 60mm)	27ml Vials for Shimadzu (100 Per Pack)

Catalog Number	
NCSC – 20 – 2	20mm Aluminium Crimp Cap with 20mm TAN PTFE / White Silicon Septa (100 Per Pack)
NCSCC – 20 – 2	20mm TAN PTFE / White Silicone Septa (100 Per Pack)
NCSCC – 20 – 2W	20mm Aluminium Crimp Cap with 20mm White PTFE / White Silicon Septa (100 Per Pack)
NCSCS – 18 – 2	18mm Blue PTFE / White Silicon Septa for Metal Screw Cap (100 Per Pack)
	20mm Aluminium Crimp Cap (100 Per Pack)
	20mm Magnetic Crimp Cap (100 Per Pack)
	20mm Blue Magnetic Ring Crimp Cap (100 Per Pack)



Storage vials range from 3ml to 1000ml in Clear glass and Amber Glass

- Are suitable for the packaging of various pharmaceutical intermediates,
- High value-added chemicals, chemical reagents, biological reagents, cosmetics, essences and oils, etc.
- Suitable for long-term storage and transportation for products, and has excellent sealing performance.
- 4 different types of caps with septa, we have PE septa, PE/Alu Foil Septa PTFE/Silicone septa.



Black PP Cap with PTFE septa



White PP Cap with PTFE septa



Black PP Cap with Polycone

Ordering Information

Part number	Packing Vials 3ml / 4ml	
NCS -1633 -CL	3ml Screw top Clear Glass vial	100/pc
NCS -1633AM	3ml Screw top Amber Glass vial	100/pc
NCS -1475CL	4ml Screw top Clear Glass vial	100/pc
NCS -1475AM	4ml Screw top Amber Glass vial	100/pc
NCPE -13425 -BC	Black PP Cap with PE septa	100/pc
NCPTFE-13425 -BC	Black PP Cap With Red PTFE/White silicone septa.	100/pc
NCPTFE-13425 -WC	white PP Cap with Red PTFE /white silicone septa	100/pc
NCPTFE-13425 -GTC	Green Thermoset F217 cap with PTFE septa	100/pc
NCPL-13425 -BPC	Black Phenolic cap with Polycone lined	100/pc

Part number	Packing Vials 5ml / 8ml / 12ml	
NCS-1850CL	5ml Screw top Clear Glass vial	100/pc
NCS-1850AM	5ml Screw top Amber Glass vial	100/pc
NCS-1661CL	8ml Screw top Clear Glass vial	100/pc
NCS-1661AM	8ml Screw top Amber Glass vial	100/pc
NCS-1865CL	12ml Screw top Clear Glass vial	100/pc
NCS-1865AM	12ml Screw top Amber Glass vial	100/pc
NCPE -15425 -BC	Black PP Cap with PE septa	100/pc
NCPTFE-15425 -BC	Black PP Cap With Red PTFE/White silicone septa.	100/pc
NCPTFE-15425 -WC	white PP Cap with Red PTFE /white silicone septa	100/pc
NCPTFE-15425 -GTC	Green Thermoset F217 cap with PTFE septa	100/pc
NCPL-15425 -BPC	Black Phenolic cap with Polycone lined	100/pc

Green Thermoset F217 cap with PTFE septa



Part number	Packing Vials 10ml / 15ml wide mouth	
NCS-2250CL	10ml Screw top Clear Glass vial	100/pc
NCS-2250AM	10ml Screw top Amber Glass vial	100/pc
NCS-2270CL	15ml Screw top Clear Glass vial	100/pc
NCS-2270AM	15ml Screw top Amber Glass vial	100/pc
NCPE -18400 -BC	Black PP Cap with PE septa	100/pc
NCPTFE-18400 -BC	Black PP Cap With Red PTFE/White silicone septa.	100/pc
NCPTFE-18400 -WC	white PP Cap with Red PTFE /white silicone septa	100/pc
NCPTFE-18400 -GTC	Green Thermoset F217 cap with PTFE septa	100/pc
NCPL-18400 -BPC	Black Phenolic cap with Polycone lined	100/pc

Part number	Packing Vials 30ml / 40ml/50ml/60ml	
NCS-2757 -CL	20ml Screw top Clear Glass vial	100/pc
NCS-2757 -AM	20ml Screw top Amber Glass vial	100/pc
NCS-2772CL	30ml Screw top Clear Glass vial	100/pc
NCS-2772AM	30ml Screw top Amber Glass vial	100/pc
NCS-27950CL	40ml Screw top Clear Glass vial	100/pc
NCS-2795AM	40ml Screw top Amber Glass vial	100/pc
NCS-27108CL	50ml Screw top Clear Glass vial	100/pc
NCS-27108AM	50ml Screw top Amber Glass vial	100/pc
NCS-27140CL	60ml Screw top Clear Glass vial	100/pc
NCS-27140AM	60ml Screw top Amber Glass vial	100/pc
NCPE -24400 -BC	Black PP Cap with PE septa	100/pc
NCPTFE-24400 -BC	Black PP Cap With Red PTFE/White silicone septa.	100/pc
NCPTFE-24400 -WC	white PP Cap with Red PTFE /white silicone septa	100/pc
NCPTFE-24400 -GTC	Green Thermoset F217 cap with PTFE septa	100/pc
NCPL-24400 -BPC	Black Phenolic cap with Polycone lined	100/pc

Barcoding vials range from 3ml to 1000ml in Clear glass and Amber Glass.

- Are suitable for the packaging of various pharmaceutical intermediates,
- Barcoding with continues numbering to identify the product with easy mobile scanning.
- Suitable for High value-added chemicals, chemical reagents, biological reagents, cosmetics, essences and oils, etc.
- Barcoding is Suitable for long-term storage and transportation for products, and has excellent sealing performance.
- 4 different types of caps with septa, we have PE septa, PE/Alu Foil Septa PTFE/Silicone septa. packed in pre-assembled packing as per serial number



Assembled in series



Black PP Cap with PTFE septa



White PP Cap with PTFE septa



Black PP Cap with Polycone

Ordering Information

Part number	Barcoding Vials 3ml / 4ml	Box
NCB -1633CL	3ml Screw top Clear Glass vial	104/pc
NCB -1633AM	3ml Screw top Amber Glass vial	104/pc
NCB -1475CL	4ml Screw top Clear Glass vial	104/pc
NCB -1475AM	4ml Screw top Amber Glass vial	104/pc
NCPE -13425 -BC	Black PP caps with PE septa	104/pc
NCPTFE -13425 -BC	Black PP caps with Red PTFE/White silicone septa	104/pc
NCPTFE -13425 -WC	white PP Caps with red PTFE /white silicone septa	104/pc
NCPTFE -13425 -GTC	Green Thermoset F217 cap with PTFE septa	104/pc
NCPL -13425 -BPC	Black Phenolic cap with Polycone lined	104/pc

Part number	Barcoding Vials 10ml / 15ml (wide mouth)	Box
NCB -2250CL	10ml Screw top Clear Glass vial	108/pc
NCB -2250AM	10ml Screw top Amber Glass vial	108/pc
NCB -2270CL	15ml Screw top Clear Glass vial	108/pc
NCB -2270AM	15ml Screw top Amber Glass vial	108/pc
NCPE -18400 -BC	Black PP Cap with PE septa	108/pc
NCPTFE -18400 -BC	Black PP cap with Red PTFE/White silicone septa	108/pc
NCPTFE -18400 -WC	white Caps with red PTFE /white silicone septa	108/pc
NCPTFE -18400 -GTC	Green Thermoset F217 cap with PTFE septa	108/pc
NCPL -18400 -BPC	Black Phenolic cap with Polycone lined	108/pc

Part number	Barcoding Vials 5ml / 8ml / 12ml	Box
NCB -1850CL	5ml Screw top Clear Glass vial	104/pc
NCB -1850AM	5ml Screw top Amber Glass vial	104/pc
NCB -1661CL	8ml Screw top Clear Glass vial	104/pc
NCB -1661AM	8ml Screw top Amber Glass vial	104/pc
NCB -1865CL	12ml Screw top Clear Glass vial	104/pc
NCB -1865AM	12ml Screw top Amber Glass vial	104/pc
NCPE -15425 -BC	Black PP cap with PE septa	104/pc
NCPTFE -15425 -BC	Black PP Cap with Red PTFE/White silicone septa	104/pc
NCPTFE -15425 -WC	white PP Caps with red PTFE /white silicone septa	104/pc
NCPTFE -15425 -GTC	Green Thermoset F217 cap with PTFE septa	104/pc
NCPL -15425 -BPC	Black Phenolic cap with Polycone lined	104/pc

Part number	Barcoding Vials 30ml / 40ml/50ml/60ml	Box
NCB -2750 -CL	20ml Screw top Clear Glass vial	80/pc
NCB -2750 -AM	20ml Screw top Amber Glass vial	80/pc
NCB -2772CL	30ml Screw top Clear Glass vial	80/pc
NCB -2772AM	30ml Screw top Amber Glass vial	80/pc
NCB -27950CL	40ml Screw top Clear Glass vial	80/pc
NCB -2795AM	40ml Screw top Amber Glass vial	80/pc
NCB -27108CL	50ml Screw top Clear Glass vial	80/pc
NCB -27108AM	50ml Screw top Amber Glass vial	80/pc
NCB -27140CL	60ml Screw top Clear Glass vial	80/pc
NCB -27140AM	60ml Screw top Amber Glass vial	80/pc
NCPE -24400 -BC	Black PP Cap with PE septa	80/pc
NCPTFE -24400 -BC	Black PP Cap With Red PTFE/White silicone septa.	80/pc
NCPTFE -24400 -WC	white PP Cap with Red PTFE /white silicone septa	80/pc
NCPTFE -24400 -GTC	Green Thermoset F217 cap with PTFE septa	80/pc
NCPL -24400 -BPC	Black Phenolic cap with Polycone lined	80/pc

Green Thermoset F217 cap with PTFE septa



Crimper



Crimpers, Decrimpers, and Decapping pliers for 8mm Top Vials

Part No	Description	Use
NC-C4008-100	Manual Crimper	8mm aluminium Crimp Seals Crimper
NC-C4008-101	Decapping Pliers	8mm aluminium Crimp Seals Pliers
NC-C4008-102	Manual Decrimper	8mm aluminium Crimp Seals Decrimper
NC-C4011-100	Manual Crimper	11mm aluminium Crimp Seals Crimper
NC-C4011-101	Decapping Pliers	11mm aluminium Crimp Seals Pliers
NC-C4011-102	Manual Decrimper	11mm aluminium Crimp Seals Decrimper
NC-C4013-100	Manual Crimper	13mm aluminium Crimp Seals Crimper
NC-C4013-101	Decapping Pliers	13mm aluminium Crimp Seals Pliers
NC-C4013-102	Manual Decrimper	13mm aluminium Crimp Seals Decrimper
NC-C4020-100	Manual Crimper	20mm aluminium Crimp Seals Crimper
NC-C4020-101	Decapping Pliers	20mm aluminium Crimp Seals Pliers
NC-C4020-102	Manual Decrimper	20mm aluminium Crimp Seals Decrimper

Decrimper



NCI Table top manual Vial Crimper Station

Model : Junior NC-20



Portable, Cost Effective with a long life expectancy making volume Cappress Junior Vials. Crimping much easier than with a hand held crimper or de-capper

The better alternative to hand crimping is our latest Junior NC-20 Vial Seal Crimper. This manual bench-top vial seal crimper has been re-designed, is completely mobile and has a sound stable base. Junior NC-20 can be easily moved from one work-place to another.

The design of the lever mechanism generates mechanical advantage due to it's cleverly designed actuator taking it's formula it has less moving parts than the earlier model and now takes de-capping heads as well as crimping heads.

We have many years of experience in the design and manufacture of vial crimping and de-capping tools. We only use the best quality materials; the crimping jaws are machined to precise limits and are then hardened and coated to give long life and smooth, trouble-free operation.

The crimping and de-capping heads are easily interchangeable to suit different sizes and types of cap. **Junior NC-20 will take all sizes of crimping and de-capping head up to 20mm** including those for atomiser pumps and 20mm flip-top caps with that extra tag.



Crimper



Decrimper

NCI Pneumatic Vial Crimping Station

Model : NCI-10026



NCI pneumatic (air powered) power crimping station. Crimping jaws sold separately. NOT electric powered - this unit is air powered. Compressed air source not included - customer must supply your own source of compressed air to power this unit.

NCI pneumatic (compressed air powered) power crimping station includes the following:

- Power Crimper
- Regulator
- Crimper Stand with Granite 10" x 12" base (25.4cm x 30.48cm)
- Foot Pedal
- Verification Gauge
- Self Store Coiling Hose

Crimping jaws must be ordered separately depending upon the type and size of seal you are crimping. You must provide your own source of compressed air to operate this device.

Cap Seal Size: All size
 Cap/Seal Style : All Style
 Function : All size Crimping and Decapping



Decrimper



Crimper



Flip Crimper

HPLC Guard Cartridges :

Guard Columns for HPLC Columns	
Part No	Description
NCI-C-160	Holder
NCI-C-16001	Holder + 2 Cartridges ODS
NCI-C-16002	Holder+2 Cartridges Si
NCI-C-16003	Holder + 2 Cartridges C8
NCI-C-16004	Holder +2 Cartridges NH ₂
NCI-C-16005	Holder + 2 Cartridges SAX
NCI-C-16006	Holder +2 Cartridges CN
NCI-C-16009	Holder +2 Cartridges Phenyl
NCI-C-160010	Holder+2 Cartridges ANION
NCI-C-160013	Holder +2 Cartridges 300 C4
NCI-C-160014	Holder +2 Cartridges 300 C8
NCI-C-160016	Holder +2 Cartridges 300 C18

Guard Columns Cartridges		
Part No	Description	PKTS
NCI-C-300	Reversed Phase C18	3 Pk
NCI-C-400	Reversed Phase C8	3 Pk
NCI-C-500	Amino Phase NH ₂	3 Pk
NCI-C-600	Cyano Phase CN	3 Pk
NCI-C-700	Phenyl Phase	3 Pk



PEEK Tubing for HPLC

P/N	OD	ID mm	pack
116-013-1	1/16inc	0.13mm	1meter
116-018-1	"	0.18mm	1meter
116-025-1	"	0.25mm	1meter
116-050-1	"	0.50mm	1meter
116-075-1	"	0.75mm	1meter



PEEK finger tight Nuts for HPLC

Ordering information:

P/N	Description	pack
101-PBH-10	PEEK Big Head	10/pac
102-PSH-10	PEEK small Head	10/pc
103-RPN-10	Rheodyne PEEK Nuts	10/pc



Stainless steel Membrane Syringe filter holder with

Ordering information :

P/N	Description	pack
212-13SFH	13mm luer lock SS syringe Holder	1
212-25SFH	25mm luer lock SS Syringe holder	1
212-47SFH	47mm luer lock SS Syringe holder	1



In-line Filter

One-stop Customized Service

- ◆ Easy to clean or replace
- ◆ Good corrosion resistance
- ◆ Particles from solvent can be removed
- ◆ Not easy to get clogged, long service life
- ◆ Less dead volume, no leakage, low back pressure



SS Holder	size	2.1mm UPLC	4.6mm	10mm	20mm
replacement frits	microns	0.2μ, 0.5μ, 2μ	0.5μ, 2μ, 5μ, 10 μ, 20μ		
PEEK Holder	frits size	4.6	0.5μ, 2μ, 5μ, 10 μ, 20μ		

In line solvent suction filters for all type tubing:



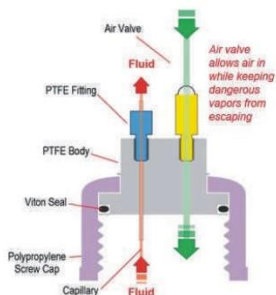
Inlet solvent suction filter	microns	size									
		ID	1/16"	1/18"	1/16"	1/8'	1/16"	1/8'	3/16"	3/16"	
standard	2μ, 5μ, 10μ, 20μ	D	10	12	12.7	16	25	12.7	25	25	
		L	19.5	20	28.5	32	52.7	28.5	30	40	
PEEK + SS	2μ, 5μ, 10μ, 20μ	ID	1/16"	1/18"	1/16"	1/8'	1/16"	1/8'	1/8"	3/16"	
		D	9.5	9.5	12.7	12.7	12.7	12.7	17	17	
		L	33	33	28.5	28.5	32.2	32.2	23.6	23.6	

"NANO"

Mobile Phase Safety Caps, Waste Caps, Air Filters and Accessories



Keep your lab safe from harmful solvent vapors.



NANO-Safe Caps help protect your health and safety in the lab.

Using dangerous or volatile substances with leaky or unsealed containers leads to:

- Health Hazards
- Contamination of Sensitive Fluids
- Shrinkage of Mobile Phase from Evaporation
- Air and Environmental Pollution

Many safety and environmental directives are already regulated by law, and Canary-Safe Products help you use these toxic or flammable organic substances safely.

The SE series solvent safety caps efficiently filter dust in the air to prevent contamination of the solvent which used by Chromatographic and Solid Phase Extractor instrument and ensure the accuracy of the analysis results. When the instrument stops working, the mobile phase is prevented from volatilizing through the air inlet to protect the laboratory environment from pollution.



The SE series solvent safety caps efficiently filter dust in the air to prevent contamination of the solvent which used by Chromatographic and Solid Phase Extractor instrument and ensure the accuracy of the analysis results. When the instrument stops working, the mobile phase is prevented from volatilizing through the air inlet to protect the laboratory environment from pollution.

Microporous Membrane— Efficient Filtration

- SE series solvent safety cap built-in PTFE microporous membrane which can efficiently filter the air so that prevent dust from contaminating the solvent and ensure the accuracy of the analysis results;
Non-Return Seal— Prevent Volatilization
- SE series solvent safety cap adopt high-sensitivity non-return safety valve. Once chromatographic instrument stops working, the safety valve will close and seal so that the mobile phase is prevented from volatilizing through the air inlet to protect the laboratory environment and take care of experimenter. Time Label — Expire Reminder
- Press time start button on the valve once start use, the time label will record the use time in the form of a red progress bar, remind the user replace the safety valve on schedule; Plug Installation — Easy to Replacement
- The safety valve on the SE series solvent safety cap is recommended to be replaced every 6 months. It adopts a quick plug installation design, which can be replaced easily by users;

Air Valve for Mobile Phase Bottle Safety Caps

Fits NANO mobile phase safety caps and keeps hazardous gases inside the reservoir. Replace every six months for optimum protection against escaping vapors.

Cat. No.	Description
NCF2014	Canary-Safe Filter Check Valve for Mobile Phase Safety Caps



One-Piece Fingertight Flangeless Fittings

Cat. No.	Description
NCP2015	PEEK™ One Piece Fitting (1/4-28) for 1/16" Tubing
NCP2016	PEEK™ One Piece Fitting (1/4-28) for 1/8" Tubing



HPLC Mobile Phase



Part No : 12563MP-GL45
Application : HPLC mobile phase , standard bottle mouth
Thread spec : GL45
Bottle mouth size: : Inner diameter : 29.5mm outside diameter of thread:44.5mm
Cap type : Anti-winding
Sealing level of cap: : C-shaped elastic reinforced seal
Cap material : Inside: PTFE outside: PP
Plugged tube spec. : Optional : Teflon capillary : outside diameter1.6mm、 2.0mm,2.5mm,3.0mm,3.2mm
Integrated safety vale spec : Built-in one-way PVDF breathing valve preventing solvent evaporation; Built-in micro porous filter to filter dust in the air



Part No : 12564MP-GL40
Application : HPLC mobile phase , standard bottle mouth
Thread spec : GL40
Bottle mouth size : Inner diameter : 26 mm outside diameter of thread:39.5mm
Cap type : Anti-winding
Sealing level of cap : C-shaped elastic reinforced seal
Cap material : Inside: PTFE outside: PP
Plugged tube spec. : Optional : Teflon capillary : outside diameter1.6mm,2.0mm,2.5mm,3.0mm,3.2m
Split safety vale, spec : Built-in one-way PVDF breathing valve preventing solvent evaporation ,External replaceable micro porous filter to filter dust in the air



Part No : 12565MP-GL38
Application : Special for Preparative chromatography
Thread spec : GL38
Bottle mouth size : Inner 25mm, outer 37mm
Cap type : Anti-winding
Sealing level of cap : C-shaped elastic reinforced seal
Cap material : Inside: PTFE outside: PP
plugged tube spec. : Approximately 6.5mm-7.5mm hard tube
Split safety vale, spec : Built-in one-way PVDF breathing valve preventing solvent evaporation. Built-in micro porous filter to filter dust in the air

Tubular GLASS BOTTLES

We Provide Packaging for Excellence



Amber Screw Thread Sample Vials

Amber Glass Screw Cap Vials offer protection from harmful light and UV rays for light sensitive products. These general purpose screw thread vials are made of Type I Borosilicate glass, providing exceptional resistance to heat shock and chemical leaching.

Select vials without caps or choose from a wide variety of screw caps, including polypropylene (PP) caps or thermoset and phenolic caps with several different liners.

Clear Screw Thread Sample Vials

Clear / Flint Screw Thread Sample Vials offer maximum visibility. These general purpose glass vials are made of Type I Borosilicate glass, providing exceptional resistance to heat shock and chemical leaching.



With black Phenolic PolyCone caps attached



with black phenolic rubber lined caps attached



With green thermoset F217 & PTFE Caps enclosed

Tubular Glass plant



Packing area in clean room

