

# Solid Phase Extraction Columns - Reversed Phase



## Orpheus Silica Based Sorbents

Solid Phase extraction is a technique to clean, separate and concentrate analytes prior to analysis. Solid Phase Extraction involves passing sample through a sorbent bed that preferentially retains the analyte under the right conditions.

Nonspecifically bound moieties are washed off the packed bed and the analyte is eluted in solvent. This increased analyte concentration allows easier detection and rapid analysis.

Orochem silica based Orpheus sorbents are custom bonded in-house to standard or custom specifications. Most commonly they include irregular shaped 50 micron particles with 60 Å pore sizes for sample preparation.

## Reversed Phase Sorbents

### C2

Cat. No.	Sorbent		Qty.	Price
	Mass	Volume		
OC-0102050	50mg	1.0mL	100	
OC-0102100	100mg	1.0mL	100	
OC-0302200	200mg	3.0mL	50	
OC-0302500	500mg	2.8mL	50	
OC-2002100	100mg	10mL-LRC	50	
OC-2002200	200mg	10mL-LRC	50	
OC-2002500	500mg	10mL-LRC	50	

### C4

OC-0104050	50mg	1.0mL	100
OC-0104100	100mg	1.0mL	100
OC-0304200	200mg	3.0mL	50
OC-0304500	500mg	2.8mL	50
OC-2004100	100mg	10mL-LRC	50
OC-2004200	200mg	10mL-LRC	50
OC-2004500	500mg	10mL-LRC	50

### C8

Cat. No.	Sorbent		Qty.	Price
	Mass	Volume		
OC-0108050	50mg	1.0mL	100	
OC-0108100	100mg	1.0mL	100	
OC-0308200	200mg	3.0mL	50	
OC-0308500	500mg	2.8mL	50	
OC-0608500	500mg	6.0mL	50	
OC-060801G	1000mg	6.0mL	50	
OC-120802G	2,000 mg	12 mL	30	
OC-2008100	100mg	10mL-LRC	50	
OC-2008200	200mg	10mL-LRC	50	
OC-2008500	500mg	10mL-LRC	50	

### Hi-Load C8

OC-0183100	100 mg	1.0 mL	100
OC-0383200	200 mg	3.0 mL	50
OC-0383500	500 mg	2.8 mL	50
OC-0683500	500 mg	6.0 mL	50

### C18

OC-0118050	50mg	1.0mL	100
OC-0118100	100mg	1.0mL	100
OC-0318200	200mg	3.0mL	50
OC-0318500	500mg	2.8mL	50
OC-0618500	500mg	6.0mL	50
OC-061801G	1000mg	6.0mL	50
OC-2018100	100mg	10mL-LRC	50
OC-2018200	200mg	10mL-LRC	50
OC-2018500	500mg	10mL-LRC	50
OC-121802G	2,000 mg	12 mL	30
OC-201805G	5,000 mg	20 mL	20
OC-601810G	10 grams	60 mL	16

### Hi-Load C18

OC-0193100	100 mg	1.0 mL	100
OC-0393200	200 mg	3.0 mL	50
OC-0393500	500 mg	2.8 mL	50
OC-0693500	500 mg	6.0 mL	50
OC-069301G	1,000 mg	6.0 mL	50
OC-109302G	2,000 mg	10.0 mL	50
OC-209305G	5 grams	20.0 mL	20
OC-609310G	10 grams	60.0 mL	16

### Phenyl

OC-0107050	50mg	1.0mL	100
OC-0107100	100mg	1.0mL	100
OC-0307200	200mg	3.0mL	50
OC-0307500	500mg	2.8mL	50
OC-2007100	100mg	10mL-LRC	50
OC-2007500	500mg	10mL-LRC	50

### CH (Cyclohexyl)

OC-0106050	50mg	1.0mL	100
OC-0106100	100mg	1.0mL	100
OC-0306200	200mg	3.0mL	50
OC-0306500	500mg	2.8mL	50
OC-060601G	1000mg	6.0mL	50
OC-2006100	100mg	10mL-LRC	50
OC-2006500	500mg	10mL-LRC	50

# Solid Phase Extraction Columns - Polar and Ion Exchange Phases

## Polar Phase Sorbents

### Silica

Cat. No.	Mass	Volume	Qty.
OC-0100050	50mg	1.0mL	100
OC-0100100	100mg	1.0mL	100
OC-0300200	200mg	3.0mL	50
OC-0300500	500mg	2.8mL	50
OC-0600500	500mg	6.0mL	50
OC-060001G	1000mg	6.0mL	50
OC-2000100	100mg	10mL-LRC	50
OC-2000500	500mg	10mL-LRC	50
OC-120002G	2,000mg	12mL	30
OC-200005G	5,000mg	20mL	20
OC-600010G	10 grams	60mL	16

### CN (Cyano)

OC-0114050	50mg	1.0mL	100
OC-0114100	100mg	1.0mL	100
OC-0314200	200mg	3.0mL	50
OC-0314500	500mg	2.8mL	50
OC-0614500	500mg	6.0mL	50
OC-2014100	100mg	10mL-LRC	50
OC-2014500	500mg	10mL-LRC	50

### NH<sub>2</sub>(Amino)

OC-0103050	50mg	1.0mL	100
OC-0103100	100mg	1.0mL	100
OC-0303200	200mg	3.0mL	50
OC-0303500	500mg	2.8mL	50
OC-060301G	1,000 mg	6.0mL	30
OC-2003100	100mg	10mL-LRC	50
OC-2003200	200mg	10mL-LRC	50
OC-2003500	500mg	10mL-LRC	50
OC-120302G	2,000 mg	12 mL	30

### Diol 2-OH

OC-0105050	50mg	1.0mL	100
OC-0105100	100mg	1.0mL	100
OC-0305200	200mg	3.0mL	50
OC-0305500	500mg	2.8mL	50

### Alumina (Acidic)

OC-0111050	50mg	1.0mL	100
OC-0111100	100mg	1.0mL	100
OC-0311500	500mg	2.8mL	50

### Alumina (Basic)

OC-0112050	50mg	1.0mL	100
OC-0112100	100mg	1.0mL	100
OC-0312500	500mg	2.8mL	50

### Alumina (Neutral)

OC-0110050	50mg	1.0mL	100
OC-0110100	100mg	1.0mL	100
OC-0310200	200mg	3.0mL	50

### Florisil PR

OC-0116050	50mg	1.0mL	100
OC-0116100	100mg	1.0mL	100
OC-0316200	200mg	3.0mL	50
OC-0316500	500mg	2.8mL	50
OC-061601G	1000mg	6.0mL	50

### Florisil

Cat. No.	Mass	Volume	Qty.
OC-0115050	50mg	1.0mL	100
OC-0115100	100mg	1.0mL	100
OC-0315200	200mg	3.0mL	50
OC-0315500	500mg	2.8mL	50
OC-061501G	1000mg	6.0mL	50
OC-2015100	100mg	10mL-LRC	50
OC-2015500	500mg	10mL-LRC	50
OC-121502G	2,000mg	12 mL	30
OC-201505G	5,000mg	20 mL	20
OC-601510G	10grams	60 mL	16



## Ion Exchange Phases

### SAX (Quaternary Amine, Strong Anion Exchange)

Cat. No.	Mass	Volume	Qty.
OC-0121050	50mg	1.0mL	100
OC-0121100	100mg	1.0mL	100
OC-0321200	200mg	3.0mL	50
OC-0321500	500mg	2.8mL	50
OC-062101G	1000mg	6.0mL	50
OC-2021100	100mg	10mL-LRC	50
OC-2021500	500mg	10mL-LRC	50

### SCX (Sulfonic Acid, Strong Cation Exchange)

OC-0122050	50mg	1.0mL	100
OC-0122100	100mg	1.0mL	100
OC-0322200	200mg	3.0mL	50
OC-0322500	500mg	2.8mL	50
OC-062201G	1000mg	6.0mL	50
OC-2022100	100mg	10mL-LRC	50
OC-2022500	500mg	10mL-LRC	50

### DEAP (Weak Anion)

OC-0123050	50mg	1.0mL	100
OC-0123100	100mg	1.0mL	100
OC-0323200	200mg	3.0mL	50
OC-0323500	500mg	2.8mL	50
OC-2023100	100mg	10mL-LRC	50
OC-2023500	500mg	10mL-LRC	50

### CBA (Weak Cation)

OC-0124050	50mg	1.0mL	100
OC-0124100	100mg	1.0mL	100
OC-0324200	200mg	3.0mL	50
OC-0324500	500mg	2.8mL	50
OC-2024100	100mg	10mL-LRC	50
OC-2024500	500mg	10mL-LRC	50

# Solid Phase Extraction Columns - Mixed Mode & Carbograph



## Mixed Mode Phases

### C4-SAX

Cat. No.	Sorbent Mass	Volume	Qty.	Price
OC-0141050	50mg	1.0mL	100	
OC-0141100	100mg	1.0mL	100	
OC-0341200	200mg	3.0mL	50	
OC-0341500	500mg	2.8mL	50	

### C4-SCX

OC-0142050	50mg	1.0mL	100
OC-0142100	100mg	1.0mL	100
OC-0342200	200mg	3.0mL	50
OC-0342500	500mg	2.8mL	50

### C4-DEAP

OC-0143050	50mg	1.0mL	100
OC-0143100	100mg	1.0mL	100
OC-0343200	200mg	3.0mL	50
OC-0343500	500mg	2.8mL	50

### C4-CBA

OC-0144050	50mg	1.0mL	100
OC-0144100	100mg	1.0mL	100
OC-0344200	200mg	3.0mL	50
OC-0344500	500mg	2.8mL	50

### C8-SAX

Cat. No.	Sorbent Mass	Volume	Qty.	Price
OC-0181050	50mg	1.0mL	100	
OC-0181100	100mg	1.0mL	100	
OC-0381200	200mg	2.8mL	50	
OC-0381500	500mg	2.8mL	50	
OC-2081100	100 mg	10mL-LRC	50	
OC-2081200	200mg	10mL-LRC	50	
OC-2081500	500mg	10mL-LRC	50	

### C8-SCX

OC-0182050	50mg	1.0mL	100
OC-0182100	100mg	1.0mL	100
OC-0382200	200mg	2.8mL	50
OC-0382500	500mg	2.8mL	50
OC-2082100	130 mg	10mL-LRC	50
OC-2082200	200mg	10mL-LRC	50
OC-2082500	300mg	10mL-LRC	50

### C18-SAX

OC-0191050	50mg	1.0mL	100
OC-0191100	100mg	1.0mL	100
OC-0391200	200mg	3.0mL	50
OC-0391500	500mg	3.0mL	50

### C18-SCX

OC-0192050	50mg	1.0mL	100
OC-0192100	100mg	1.0mL	100
OC-0392200	200mg	3.0mL	50
OC-0392500	500mg	3.0mL	50

### PFPP-Propyl (PentaFluoroPhenyl Propyl)

OC-0128050	50mg	1.0mL	100
OC-0128100	100mg	1.0mL	100
OC-0328200	200mg	3.0mL	50
OC-0328500	500mg	2.8mL	50

### PFPP-Extra (PentaFluoroPhenyl-Extra)

OC-0129050	50mg	1.0mL	100
OC-0129100	100mg	1.0mL	100
OC-0329200	200mg	3.0mL	50
OC-0329500	500mg	2.8mL	50

## Carbograph SPE Tubes

Carbograph SPE Tubes are used for the acid, base, and neutral extraction of pesticides and herbicides. It is also used to extract polar compounds from aqueous matrices.



### Carbograph SPE Tubes

Cat. No.	Sorbent Mass	Volume	Qty.	Price
OC-0398100	150mg	3mL	50	
OC-0698300	300mg	6mL	30	
OC-0898500	500mg	8mL	30	
OC-159801G	1000mg	15mL	20	

# Solid Phase Extraction Columns

## Oro-Sep Cartridges



Oro-Sep cartridges are molded from medical grade virgin polypropylene, fritted with 20 micron PE frits and are compatible with a syringe or a vacuum manifold. The female luer tip inlet of the cartridge allows connection to a syringe tip. The male luer tip outlet connects to a

vacuum manifold. Sep-Pak® cartridges may be substituted with Oro Sep cartridges. Oro-Sep cartridges packed with reversed phases, normal phases, and ion exchange phases in three different bed sizes, may be utilized for sample preparation and sample concentration in the bio-tech, clinical, environmental, forensic, and pharmaceutical arena.



## 10mL LRC Columns

### C2

Cat. No.	Sorbent Mass	Volume	Qty.	Price
OC-5002300	300mg	0.5mL	25	

### C4

OC-5004300	300mg	0.5mL	25	
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### C8

OC-5008300	300mg	0.5mL	25	
OC-5108600	600mg	1.0mL	25	
OC-5208900	900mg	1.5mL	25	

### C18

OC-5018300	300mg	0.5mL	25	
OC-5118600	600mg	1.0mL	25	
OC-5218900	900mg	1.5mL	25	

### Phenyl

OC-5007300	300mg	0.5mL	25	
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### Silica

OC-5000300	300mg	0.5mL	25	
OC-5100600	600mg	1.0mL	25	
OC-5200900	900mg	1.5mL	25	

### Diol

OC-5005300	300mg	0.5mL	25	
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### CN (Cyanopropyl)

OC-5014300	300mg	0.5mL	25	
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### NH2 (Aminopropyl)

OC-5003300	300mg	0.5mL	25	
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### Florisil

OC-5015300	300mg	0.5mL	25	
OC-5115600	600mg	1.0mL	25	
OC-5215900	900mg	1.5mL	25	

### SAX

OC-5121600	600mg	1.0mL	25	
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### SCX

OC-5122600	600mg	1.0mL	25	
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### Sodium Sulfate Drying Cartridge

OC-5139600	600mg	1.0mL	50	
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	Sorbent Mass	Qty.	Price
C2	OC-2002100	100mg	50
	OC-2002200	200mg	50
	OC-2002500	500mg	50
C4	OC-2004100	100mg	50
	OC-2004200	200mg	50
	OC-2004500	500mg	50
C8	OC-2008100	100mg	50
	OC-2008200	200mg	50
	OC-2008500	500mg	50
C18	OC-2018100	100mg	50
	OC-2018200	200mg	50
	OC-2018500	500mg	50
CH (Cyclohexyl)	OC-2006100	100mg	50
	OC-2006500	500mg	50
PH (Phenyl)	OC-2007100	100mg	50
	OC-2007500	500mg	50
CN (Cyano)	OC-2014100	100mg	50
	OC-2014500	500mg	50
NH2 (Amino)	OC-2003100	100mg	50
	OC-2003200	200mg	50
	OC-2003500	500mg	50
Silica	OC-2000100	100mg	50
	OC-2000500	500mg	50
Florisil	OC-2015100	100mg	50
	OC-2015500	500mg	50
CBA (Weak Cation)	OC-2024100	100mg	50
	OC-2024500	500mg	50
SCX (Strong Cation)	OC-2022100	100mg	50
	OC-2022500	500mg	50
DEAP (Weak Anion)	OC-2023100	100mg	50
	OC-2023500	500mg	50
SAX (Strong Anion)	OC-2021100	100mg	50
	OC-2021500	500mg	50
C8-SCX	OC-2082100	130 mg	50
	OC-2082200	200mg	50
	OC-2082500	300mg	50
C8-SAX	OC-2081100	100 mg	50
	OC-2081200	200mg	50
	OC-2081500	500mg	50

# Solid Phase Extraction Plates - 1mL/Well Volume

Omnisorb 96 well plates are ideal for all SPE applications and high throughput screening

- 1mL sample volume per well
- Robotic and liquid handling compatibility
- Choice of chemistries
- Made from solvent resistant, low extractable polypropylene with unique drip directors



## Reversed Phase Sorbents

### C2 Omnisorb SPE Plates

Cat. No.	Sorbent Mass	Well Volume	Qty.	Price
OC-9102025	25mg/well	1mL	1	
OC-9102050	50mg/well	1mL	1	
OC-9102100	100mg/well	1mL	1	
OC-9102200	200mg/well	1mL	1	

### C4 Omnisorb SPE Plates

OC-9104025	25mg/well	1mL	1	
OC-9104050	50mg/well	1mL	1	
OC-9104100	100mg/well	1mL	1	
OC-9104200	200mg/well	1mL	1	

### C8 Omnisorb SPE Plates

OC-9108025	25mg/well	1mL	1	
OC-9108050	50mg/well	1mL	1	
OC-9108100	100mg/well	1mL	1	
OC-9108200	200mg/well	1mL	1	

### C18 Omnisorb SPE Plates

OC-9118025	25mg/well	1mL	1	
OC-9118050	50mg/well	1mL	1	
OC-9118100	100mg/well	1mL	1	
OC-9118200	200mg/well	1mL	1	

### Phenyl Omnisorb SPE Plates

OC-9107025	25mg/well	1mL	1	
OC-9107050	50mg/well	1mL	1	
OC-9107100	100mg/well	1mL	1	
OC-9107200	200mg/well	1mL	1	

### CH (Cyclohexyl) Omnisorb SPE Plates

OC-9106025	25 mg/well	1mL	1	
OC-9106050	50 mg/well	1mL	1	
OC-9106100	100mg/well	1mL	1	
OC-9106200	200mg/well	1mL	1	

## Ion Exchange Phase Sorbents

### SAX (Strong Anion Exchange) Omnisorb SPE Plates

OC-9121025	25mg/well	1mL	1	
OC-9121050	50mg/well	1mL	1	
OC-9121100	100mg/well	1mL	1	
OC-9121200	200mg/well	1mL	1	

### SCX (Strong Cation Exchange) Omnisorb SPE Plates

OC-9122025	25mg/well	1mL	1	
OC-9122050	50mg/well	1mL	1	
OC-9122100	100mg/well	1mL	1	
OC-9122200	200mg/well	1mL	1	

## Polar Phase Sorbents

### Diol Omnisorb SPE Plates

Cat. No.	Sorbent Mass	Well Volume	Qty.	Price
OC-9105025	25mg/well	1mL	1	
OC-9105050	50mg/well	1mL	1	
OC-9105100	100mg/well	1mL	1	
OC-9105200	200mg/well	1mL	1	

### NH<sub>2</sub> (Amino) Omnisorb SPE Plates

OC-9103025	25mg/well	1mL	1	
OC-9103050	50mg/well	1mL	1	
OC-9103100	100mg/well	1mL	1	
OC-9103200	200mg/well	1mL	1	

### CN (Cyano) Omnisorb SPE Plates

OC-9114025	25mg/well	1mL	1	
OC-9114050	50mg/well	1mL	1	
OC-9114100	100mg/well	1mL	1	
OC-9114200	200mg/well	1mL	1	

### Silica Omnisorb SPE Plates

OC-9100025	25mg/well	1mL	1	
OC-9100050	50mg/well	1mL	1	
OC-9100100	100mg/well	1mL	1	
OC-9100200	200mg/well	1mL	1	

### AL-B (Alumina Basic) Omnisorb SPE Plates

OC-9112025	25mg/well	1mL	1	
OC-9112050	50mg/well	1mL	1	
OC-9112100	100mg/well	1mL	1	
OC-9112200	200mg/well	1mL	1	

### AL-N (Alumina Neutral) Omnisorb SPE Plates

OC-9110025	25mg/well	1mL	1	
OC-9110050	50mg/well	1mL	1	
OC-9110100	100mg/well	1mL	1	
OC-9110200	200mg/well	1mL	1	

### AL-A (Alumina Acidic) Omnisorb SPE Plates

OC-9111025	25mg/well	1mL	1	
OC-9111050	50mg/well	1mL	1	
OC-9111100	100mg/well	1mL	1	
OC-9111200	200mg/well	1mL	1	

### Florisil Omnisorb SPE Plates

OC-9115025	25mg/well	1mL	1	
OC-9115050	50mg/well	1mL	1	
OC-9115100	100mg/well	1mL	1	
OC-9115200	200mg/well	1mL	1	



# Solid Phase Extraction Plates - 2.2mL/Well Volume

OROCHEM 2000 SPE 96-well plates are packed with Orpheus silica based sorbents that have broad selectivity and resist occlusion by proteinaceous materials from samples. Non-occlusion of sorbents, combination of size exclusion and adsorption chromatography allows efficient flow characteristics, enhanced detection, and cleaner extracts. The 2.2 mL/well SPE plates manufactured from virgin medical grade polypropylene have the SBS standard footprint. Individually fritted wells eliminate cross-talk, the larger exit diameter of the well enables a faster flow rate. The OROCHEM 2000 Vacuum Manifold is designed to accommodate every filter plate, and comes with inserts to accommodate collection plates of all sizes, including shallow well plates.

## Applications:

Sample preparation by solid phase extraction in drug development, drug analysis, pharmacokinetics, and biotechnological applications.



## Reversed Phase Sorbents

### C2

Cat. No.	Sorbent Mass	Volume	Qty.	Price
OC-9502025	25mg/well C2	2.2mL	1	
OC-9502050	50mg/well C2	2.2mL	1	
OC-9502100	100mg/well C2	2.2mL	1	
OC-9502200	200mg/well C2	2.2mL	1	

### C4

OC-9504025	25mg/well C4	2.2mL	1	
OC-9504050	50mg/well C4	2.2mL	1	
OC-9504100	100mg/well C4	2.2mL	1	
OC-9504200	200mg/well C4	2.2mL	1	

### C8 (Non Endcapped)

OC-9509025	25mg/well C8	2.2mL	1	
OC-9509050	50mg/well C8	2.2mL	1	
OC-9509100	100mg/well C8	2.2mL	1	
OC-9509200	200mg/well C8	2.2mL	1	

### C8 (Endcapped)

OC-9508025	25mg/well C8	2.2mL	1	
OC-9508050	50mg/well C8	2.2mL	1	
OC-9508100	100mg/well C8	2.2mL	1	
OC-9508200	200mg/well C8	2.2mL	1	

### C18

OC-9518025	25mg/well C18	2.2mL	1	
OC-9518050	50mg/well C18	2.2mL	1	
OC-9518100	100mg/well C18	2.2mL	1	
OC-9518200	200mg/well C18	2.2mL	1	

### Phenyl

OC-9507025	25mg/well PH	2.2mL	1	
OC-9507050	50mg/well PH	2.2mL	1	
OC-9507100	100mg/well PH	2.2mL	1	
OC-9507200	200mg/well PH	2.2mL	1	

### CH (Cyclohexyl)

OC-9506025	25mg/well CH	2.2mL	1	
OC-9506050	50mg/well CH	2.2mL	1	
OC-9506100	100mg/well CH	2.2mL	1	
OC-9506200	200mg/well CH	2.2mL	1	

## Normal Phase Sorbents

### Silica

Cat. No.	Sorbent Mass	Volume	Qty.	Price
OC-9500025	25mg/well SI	2.2mL	1	
OC-9500050	50mg/well SI	2.2mL	1	
OC-9500100	100mg/well SI	2.2mL	1	
OC-9500200	200mg/well SI	2.2mL	1	

### Cyano

OC-9514025	25mg/well CN	2.2mL	1	
OC-9514050	50mg/well CN	2.2mL	1	
OC-9514100	100mg/well CN	2.2mL	1	
OC-9514200	200mg/well CN	2.2mL	1	

### Diol

OC-9505025	25mg/well DI	2.2mL	1	
OC-9505050	50mg/well DI	2.2mL	1	
OC-9505100	100mg/well DI	2.2mL	1	
OC-9505200	200mg/well DI	2.2mL	1	

### NH2 (Amino)

OC-9503025	25mg/well NH2	2.2mL	1	
OC-9503050	50mg/well NH2	2.2mL	1	
OC-9503100	100mg/well NH2	2.2mL	1	
OC-9503200	200mg/well NH2	2.2mL	1	

## Ion Exchange Phase Sorbents

### SAX (Strong Anion Exchange)

OC-9521025	25mg/well SAX	2.2mL	1	
OC-9521050	50mg/well SAX	2.2mL	1	
OC-9521100	100mg/well SAX	2.2mL	1	
OC-9521200	200mg/well SAX	2.2mL	1	

### SCX (Strong Cation Exchange)

OC-9522025	25mg/well SCX	2.2mL	1	
OC-9522050	50mg/well SCX	2.2mL	1	
OC-9522100	100mg/well SCX	2.2mL	1	
OC-9522200	200mg/well SCX	2.2mL	1	

# Polymeric SPE and Aquamatrix Columns and Plates

## Celerity Polymeric SPE Columns

The Celerity series of polymeric resin particles have a large surface area, are highly rigid and are stable over pH range 1 to 14. Available in hydrophilic and hydrophobic forms and as ion exchangers, they are recommended when advanced detection methods are utilized in conjunction with unique selectivity of a polymer.

### Hydrophilic-DVB

Cat. No.	Sorbent		Qty.	Price
	Mass	Volume		
OC-0160025	25mg	1mL	100	
OC-0360050	50mg	3mL	50	
OC-0360100	100mg	3mL	50	
OC-0660100	100mg	6mL	30	
OC-0660200	200mg	6mL	30	

### Hydrophilic SC-DVB (SO3)

OC-0161025	25mg	1mL	100
OC-0361050	50mg	3mL	50
OC-0361100	100mg	3mL	50
OC-0661100	100mg	6mL	30
OC-0661200	200mg	6mL	30

### Hydrophobic DVB

OC-0162025	25mg	1mL	100
OC-0362050	50mg	3mL	50
OC-0362100	100mg	3mL	50
OC-0662100	100mg	6mL	30
OC-0662200	200mg	6mL	30

### Hydrophobic SC-DVB (SO3)

OC-0163025	25mg	1mL	100
OC-0363050	50mg	3mL	50
OC-0363100	100mg	3mL	50
OC-0663100	100mg	6mL	30
OC-0663200	200mg	6mL	30

### Hydrophobic SA-DVB (N+)

OC-0164025	25mg	1mL	100
OC-0364050	50mg	3mL	50
OC-0364100	100mg	3mL	50
OC-0664100	100mg	6mL	30
OC-0664200	200mg	6mL	30

### Hydrophobic WA-DVB (NH2)

OC-0165025	25mg	1mL	100
OC-0365050	50mg	3mL	50
OC-0365100	100mg	3mL	50
OC-0665100	100mg	6mL	30
OC-0665200	200mg	6mL	30

## Celerity Polymeric SPE 96 Well Plates

### Hydrophilic-DVB

Cat. No.	Sorbent		Qty.	Price
	Mass/well	Volume		
OC-9260025	25mg	2.2mL	1	
OC-9260050	50mg	2.2mL	1	
OC-9260100	100mg	2.2mL	1	
OC-9160025	25mg	1mL	1	
OC-9160050	50mg	1mL	1	
OC-9160100	100mg	1mL	1	

## Celerity Polymeric SPE Plates Continued

### Hydrophilic SC-DVB (SO3)

Cat. No.	Sorbent		Qty.	Price
	Mass/well	Volume		
OC-9261025	25mg	2.2mL	1	
OC-9261050	50mg	2.2mL	1	
OC-9261100	100mg	2.2mL	1	
OC-9161025	25mg	1mL	1	
OC-9161050	50mg	1mL	1	
OC-9161100	100mg	1mL	1	

## Aquamatrix: Supported Liquid-Liquid Extraction

- Packed with chemically inert material, stable in the pH range 1-13
- Compatible with robotic liquid handlers for automated extraction
- Allows high throughput alternative to traditional liquid-liquid extraction techniques
- Eliminates steps like mixing, centrifugation and organic phase separation
- Provides support, greater surface area and accelerated solvent extraction
- Aquamatrix plates are 96 well plates in 1mL or 2mL formats packed with flux calcined diatomaceous earth for a high capacity retention of analytes.

### Recommended Protocol

- A mixture of sample (e.g., plasma), internal standard, and buffer solution to adjust pH is prepared.
- This aqueous mixture is then added to the dry particle bed (no conditioning or pretreatment of the bed is necessary). The mixture is allowed to partition for about 3-5 minutes on the particle surface under gravity flow.
- The analyte in aqueous solution is now spread out among the particles and occupies a high surface area. A hydrophobic filter on the bottom of each well prevents the aqueous phase from breaking through into the collection vessel placed underneath. Organic solvent is then added to the wells.
- The analyte will partition from the adsorbed aqueous phase into the organic solvent as this solvent slowly flows through the particle bed under gravity.
- The organic eluate is collected in wells or tubes underneath the tips of the plate. A second addition of organic solvent is performed and the combined eluates are evaporated to dryness. The residue is reconstituted in a mobile phase compatible solution and an aliquot is injected into the chromatographic system for analysis.

Aquamatrix columns are a good alternative to ToxElute, ChemElute.

### Aquamatrix for Supported Liquid-Liquid Extraction Plates

Cat. No.	Description	Price
OC-9201	Flux Calcined Diatomaceous Earth 2mL plate	
OC-9101	Flux Calcined Diatomaceous Earth 1mL plate	

# Disc-Solid Phase Extraction Columns and Plates

## Disc-Solid Phase Extraction Columns



SuPErScreen is a proprietary high capacity silica particle embedded in glass fiber for Disc Solid Phase Extraction. Elimination of sorbent fines and decreased sample elution columns provide cleaner extracts which allows you to bypass evaporation prior to detection.

SuPErScreen Silica impregnated glass fiber discs are manufactured using both long and short glass fibers offering greater porosity of the matrix. With silica particles present as an integral component during manufacturing, uniform distribution of silica is achieved across the thickness of the disc membrane. With SuPErScreen disc SPE, an 8mm diameter disc allows 13.8mg and a 96-well (6mm disc) format allows 7.6mg/well media loading capacity.

### Applications:

Sample preparation by Solid Phase Extraction in drug development, drug analysis, pharmacokinetics, and biotechnological applications.

### Reversed Phase Disc-Solid Phase Extraction Cartridges

Cat. No.	Phase	Volume	Qty.	Price
OC-1102	C2 Disc	1mL	100	
OC-1302	C2 Disc	3mL	100	
OC-1108	C8 Disc	1mL	100	
OC-1308	C8 Disc	3mL	100	
OC-1118	C18 Disc	1mL	100	
OC-1318	C18 Disc	3mL	100	
OC-1107	PH Disc	1mL	100	
OC-1307	PH Disc	3mL	100	
OC-1106	CH Disc	1mL	100	
OC-1306	CH Disc	3mL	100	

### Polar Phase Disc-Solid Phase Extraction Cartridges

OC-1100	SI Disc	1mL	100
OC-1300	SI Disc	3mL	100
OC-1105	Diol Disc	1mL	100
OC-1305	Diol Disc	3mL	100
OC-1104	CN Disc	1mL	100
OC-1304	CN Disc	3mL	100
OC-1103	NH2 Disc	1mL	100
OC-1303	NH2 Disc	3mL	100

### Ion Exchange Disc-Solid Phase Extraction Cartridges

OC-1121	SAX Disc	1mL	100
OC-1321	SAX Disc	3mL	100
OC-1122	SCX Disc	1mL	100
OC-1322	SCX Disc	3mL	100

### Mixed Mode Phase Disc-Solid Phase Extraction Cartridges

OC-1125	SAX/SCX Disc	1mL	100
OC-1325	SAX/SCX Disc	3mL	100
OC-1182	C8/SCX Disc	1mL	100
OC-1382	C8/SCX Disc	3mL	100

## Disc-SPE 96 Well Plates

### Reversed Phase Disc-Solid Phase Extraction Plates

Cat. No.	Phase	Volume	Qty.	Price
OC-9602	C2 Disc	1mL	1	
OC-9608	C8 Disc	1mL	1	
OC-9618	C18 Disc	1mL	1	
OC-9607	PH Disc	1mL	1	

### Polar Phase Disc-Solid Phase Extraction Plates

OC-9600	SI Disc	1mL	1
OC-9605	Diol Disc	1mL	1
OC-9603	NH2 Disc	1mL	1
OC-9604	CN Disc	1mL	1

### Ion Exchange Disc-Solid Phase Extraction Plates

OC-9621	SAX Disc	1mL	1
OC-9622	SCX Disc	1mL	1

### Mixed Mode Disc-Solid Phase Extraction Plates

OC-9625	SAX/SCX Disc	1mL	1
OC-9682	C8/SCX Disc	1mL	1



Disc-SPE 96 Well Plate



Disc-SPE 384 Well Plate

## Disc-SPE 384 Well Plates

### Reversed Phase Disc-Solid Phase Extraction Plates

Cat. No.	Phase	Volume	Qty.	Price
OC-3902	C2 Disc	0.125mL	1	
OC-3908	C8 Disc	0.125mL	1	
OC-3918	C18 Disc	0.125mL	1	
OC-3907	PH Disc	0.125mL	1	
OC-3906	CH Disc	0.125mL	1	

### Polar Phase Disc-Solid Phase Extraction Plates

OC-3900	SI Disc	0.125mL	1
OC-3905	Diol Disc	0.125mL	1
OC-3903	NH2 Disc	0.125mL	1
OC-3904	CN Disc	0.125mL	1

### Ion Exchange Disc-Solid Phase Extraction Plates

OC-3921	SAX Disc	0.125mL	1
OC-3922	SCX Disc	0.125mL	1

### Mixed Mode Disc-Solid Phase Extraction Plates

OC-3925	SAX/SCX Disc	0.125mL	1
OC-3982	C8/SCX Disc	0.125mL	1



## SPE Accessories



### Empty SPE Reservoirs and Frits

#### Empty Columns

Cat. No.	Column Volume	Qty.
OC-01	1mL	100
OC-03	3mL	100
OC-06	6mL	100
OC-10	10mL	100
OC-20	20mL	100
OC-35	35mL	100
OC-60	60mL	100

#### Empty Column with One 20µm Polyethylene Frit

OC-01201	1mL	100
OC-03201	3mL	100
OC-06201	6mL	50
OC-10201	10mL	50
OC-25201	25mL	50
OC-60201	60mL	50
OC-55201	150mL	50

#### Empty Flangeless Columns

OC-01F	1mL	100
OC-03F	3mL	100
OC-06F	6mL	100

#### Super Clean Cartridges, Teflon Lined Polypropylene, Empty

OC-01T	1mL	100
OC-03T	3mL	100
OC-06T	6mL	100
OC-10T	10mL	100
OC-20T	20mL	100
OC-60T	60mL	100

#### PE Frits

OC-0120	1mL	100
OC-0320	3mL	100
OC-0620	6mL	100
OC-1020	10mL	100
OC-2020	20mL	100
OC-3520	35mL	100

#### End Caps

OC-0199	1mL	100
OC-0399	3mL	100
OC-0699	6mL	100
OC-1099	10mL	100
OC-3599	35mL	100

#### Luer Tip Caps

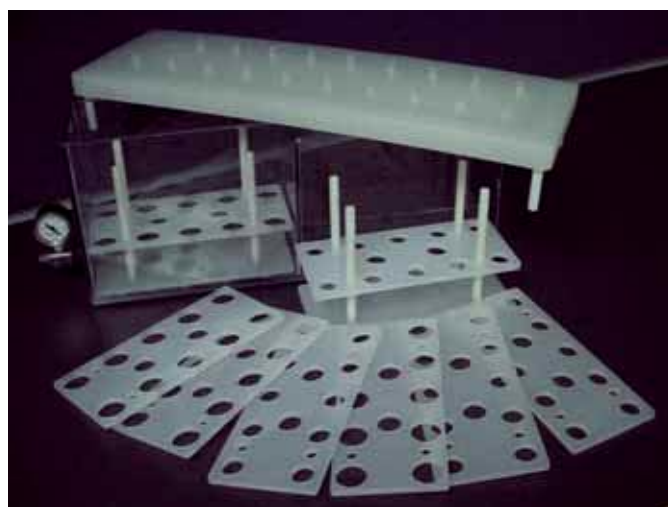
OC-01C	1mL	100
OC-03C	3mL/6mL/10mL/20mL	100
OC-35C	35mL/60mL	100

## Bulk Sorbents

### • Silica based sorbents, 60A , 40µm

Cat. No.	Sorbent Phase	Qty.
OC-001825	ODS, C18	25g
OC-000825	Octyl, C8	25g
OC-000225	Ethyl, C2	25g
OC-000725	Phenyl	25g
OC-000025	Silica, Si	25g
OC-000525	Diol	25g
OC-001425	Cyano, CN	25g
OC-000325	Amino, NH <sub>2</sub>	25g
OC-002125	Strong Ion Exchange, SAX	25g
OC-002225	Stron Cation Exchange, SCX	25g
OC-001125	Alumina A (acidic)	25g
OC-001225	Alumina B (basic)	25g
OC-001025	Alumina N (neutral)	25g
OC-001525	Florisil	25g
OC-002425	CBA	25g
OC-002825	PFPP	25g

Please call for pricing on larger quantities.



### 20 Position Vacuum Manifold

#### • Wide port spacing for large tubes

Multiple sample processing with the 20 position manifold consists of a clear glass chamber and lid, to which a vacuum is applied to draw solvents and sample through an SPE column, cartridge, or disk.

Polypropylene top with female luer inlets and male luer outlets. Adjustable racks in the glass chamber will accommodate a variety of sample collection vessels. 19mm plates are included. Eluants are deposited directly into the collection vessel of choice via optional polypropylene, or SS needles.

Dimensions: 18" (L) x 4" (W) x 7.3" (D).

#### 20 Port Manifold

Cat. No.	Description	Qty.
OVM2020	20 Port vacuum manifold	1
OVM2025	Polypropylene needles	20
OVM2026	SS needles	20
OVM2023	Gaskets	2
OVM2028	Plate, 13mm	1
OVM2029	Plate, 16mm	1
OVM2030	Plate for volumetric flasks	1

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