Bulk Materials for Preparative and Process Chromatography

Silica Based HPLC Bulk Media

Characteristics

- Available in both reversed and normal phases
- High chemical stability for low leaching
- High loading capacity
- High mechanical strength for multiple packing
- Spherical particles with controlled pore sizes
- Available from grams to multi-Kilogram
- More than 20 different chemistries

Description

Sepax manufactures wide range of silica based media with the particle size selection of 5, 10, 15 and 20 µm spherical particles, 20-40 µm and 40-60 µm irregular particles. Their pore size selection is 60, 120, 200, 300 and 500 Å. The bonding chemistry is from regular C18, C8, C4, Phenyl, Cyano, Amino, Diol, Pyridine, SCX and SAX to any custom-synthesis. The controlled manufacturing process guarantees high batch-to-batch reproducibility. Their high surface area and high mechanical strength enable those media ideal for preparative separation and purification.

Specifications

Phases	Chemistry	Particle size (µm)	Pore size (Å)	Surface area (m^2/g)	Carbon loading (%)	pH stability	Bonding
C18	GP-C18	5, 10, 15, 20	60 120	450 300	19 17	2-8.5	Monomeric and fully endcapped
	BR-C18	5, 10	120	300	19	1.5-11.0	Fully endcapped
	HP-C18	5, 10, 15, 20	120	300	15	2-8.5	Monomeric and fully endcapped
	Bio-C18	5, 10, 15	200 300	200 105	10 8.5	2-8.5	Monomeric and fully endcapped
C8	GP-C8	5, 10, 15, 20	60 120	450 300	15 11	2-8.5	Monomeric and fully endcapped
	Bio-C8	5, 10	300	105	5.2	2-8.5	Monomeric and fully endcapped
C4	GP-C4	5, 10, 15, 20	120	300	8.0	2-8.5	Monomeric and fully endcapped
	Bio-C4	5,10	300	105	3.1	2-8.5	Monomeric and fully endcapped
Phenyl	GP-Phenyl	5, 10, 15, 20	120	300	11	2-8.5	Monomeric and fully endcapped
CN	HP-Cyano	5, 10, 15, 20	120	300	7.0	2-8.5	Monomeric and fully endcapped
NH_2	HP-Amino	5, 10, 15, 20	120	300	4.2	2-8.5	Polymeric and no endcapping
SO_3H	HP-SCX	5, 10, 15, 20	120	300	11	2-8.5	Monomeric and fully endcapped
Silica	HP-Silica	5, 10, 15, 20	60 120	450 300	0.0 0.0	2-8.5	Activated surface
HILIC	Polar-100	5, 10, 15, 20	120	300	N/A	2-8.5	Monomeric and fully endcapped

Applications

Phases	Chemistry	Applications
C18	GP-C18	Reversed phase separations for pharmaceuticals, nutraceuticals, natural products, acidic, neutral and basic compounds
	BR-C18	Basic compounds or separations required high pH durability
	HP-C18	Separations at high aqueous mobile phase, pharmaceuticals, vitamins, natural products, peptides, and polar compounds
	Bio-C18	Separations required large pore size or at high aqueous mobile phase, pharmaceuticals, vitamins, natural products, peptides, and polar compounds
C8	GP-C8	Reversed phase separations for pharmaceuticals, estrogens, acidic, neutral and basic compounds
	Bio-C8	Separations required large pore size for pharmaceuticals, vitamins, proteins, peptides, and polar compounds
C4	GP-C4	Proteins and peptides
	Bio-C4	Separations required large pore size for proteins and peptides
Phenyl	GP-Phenyl	Aromatic compounds, antibiotics, lipids, ring-structured compounds
CN	HP-Cyano	Normal phase separations for pharmaceuticals and polar organic compounds
NH_2	HP-Amino	Sugars, alcohols, vitamins, nucleosides, oligonucleotides, and anionic compounds
SO_3H	HP-SCX	Amine and polyamine containing compounds, nucleotides, and peptides
Silica	HP-Silica	Normal phase or HILIC mode separation for basic compounds, pharmaceuticals, nutraceuticals, and metabolites
HILIC	Polar-100	Polar compounds which are not well retained by other phases

Ordering information

Phase	Particle Size	Pore size	P/N	Package available Price (Inquire)
GP-C18	10 μm	60 Å 120 Å	101180-1006 101180-1012	100g, 500g, 1kg, 5kg, 10kg
	15 μm	60 Å 120 Å	101180-1506 101180-1512	100g, 500g, 1kg, 5kg, 10kg
	20 μm	60 Å 120 Å	101180-2006 101180-2012	100g, 500g, 1kg, 5kg, 10kg
BR-C18	5 μm	120 Å	102180-0512	100g, 500g, 1kg, 5kg, 10kg
	10 μm	120 Å	102180-0512	100g, 500g, 1kg, 5kg, 10kg
HP-C18	10 μm	60 Å 120 Å	103180-1006 103180-1012	100g, 500g, 1kg, 5kg, 10kg
	15 μm	60 Å 120 Å	103180-1506 103180-1512	100g, 500g, 1kg, 5kg, 10kg
	20 μm	60 Å 120 Å	103180-2006 103180-2012	100g, 500g, 1kg, 5kg, 10kg
Bio-C18	10 μm	200 Å 300 Å	105180-1020 106180-1030	100g, 500g, 1kg, 5kg, 10kg
	15 μm	200 Å 300 Å	105180-1520 106180-1530	100g, 500g, 1kg, 5kg, 10kg
GP-C8	10 μm	60 Å 120 Å	107080-1006 107080-1012	100g, 500g, 1kg, 5kg, 10kg
	15 μm	60 Å 120 Å	107080-1506 107080-1512	100g, 500g, 1kg, 5kg, 10kg

Ordering information

Phase	Particle Size	Pore size	P/N	Package available Price (Inquire)
GP-C8	20 μm	60 Å 120 Å	107080-2006 107080-2012	100g, 500g, 1kg, 5kg, 10kg
Bio-C8	10 μm	300 Å	108080-1030	100g, 500g, 1kg, 5kg, 10kg
	15 μm	300 Å	108080-1530	100g, 500g, 1kg, 5kg, 10kg
GP-C4	10 μm	60 Å 120 Å	109040-1006 109040-1012	100g, 500g, 1kg, 5kg, 10kg
	15 μm	60 Å 120 Å	109040-1506 109040-1512	100g, 500g, 1kg, 5kg, 10kg
	20 μm	60 Å 120 Å	109040-2006 109040-2012	100g, 500g, 1kg, 5kg, 10kg
Bio-C4	10 μm	300 Å	110040-1030	100g, 500g, 1kg, 5kg, 10kg
	15 μm	300 Å	110040-1530	100g, 500g, 1kg, 5kg, 10kg
GP-Phenyl	10 μm	60 Å 120 Å	111360-1006 111360-1012	100g, 500g, 1kg, 5kg, 10kg
	15 μm	60 Å 120 Å	111360-1506 111360-1512	100g, 500g, 1kg, 5kg, 10kg
	20 μm	60 Å 120 Å	111360-2006 111360-2012	100g, 500g, 1kg, 5kg, 10kg
HP-Cyano	10 μm	60 Å 120 Å	113310-1006 113310-1012	100g, 500g, 1kg, 5kg, 10kg
	15 μm	60 Å 120 Å	113310-1506 113310-1512	100g, 500g, 1kg, 5kg, 10kg
	20 μm	60 Å 120 Å	113310-2006 113310-2012	100g, 500g, 1kg, 5kg, 10kg
HP-Amino	10 μm	60 Å 120 Å	115300-1006 115300-1012	100g, 500g, 1kg, 5kg, 10kg
	15 μm	60 Å 120 Å	115300-1506 115300-1512	100g, 500g, 1kg, 5kg, 10kg
	20 μm	60 Å 120 Å	115300-2006 115300-2012	100g, 500g, 1kg, 5kg, 10kg
HP-SCX	10 μm	120 Å	120360-1012	100g, 500g, 1kg, 5kg, 10kg
	15 μm	120 Å	120360-1512	100g, 500g, 1kg, 5kg, 10kg
	20 μm	120 Å	120360-2012	100g, 500g, 1kg, 5kg, 10kg
HP-Silica	10 μm	60 Å 120 Å	117000-1006 117000-1012	100g, 500g, 1kg, 5kg, 10kg
	15 μm	60 Å 120 Å	117000-1506 117000-1512	100g, 500g, 1kg, 5kg, 10kg
	20 μm	60 Å 120 Å	117000-2006 117000-2012	100g, 500g, 1kg, 5kg, 10kg
HILIC Polar-100	10 μm	120 Å	131580-1012	100g, 500g, 1kg, 5kg, 10kg
	15 μm	120 Å	131580-1512	100g, 500g, 1kg, 5kg, 10kg
	20 μm	120 Å	131580-2012	100g, 500g, 1kg, 5kg, 10kg

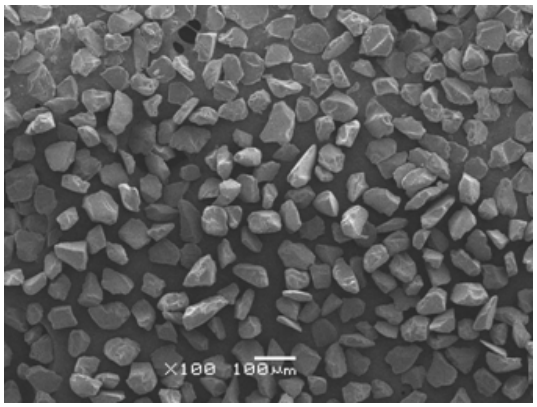
Silica Based Bulk Sorbents

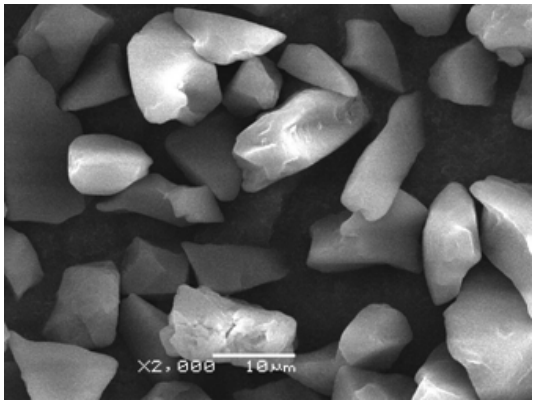
Characteristics

- Irregular silica with high purity
- Available in both reversed and normal phases
- High chemical stability for low leaching
- High surface area and high loading capacity
- High mechanical strength for multiple packing
- Wide range of selection of surface chemistry
- Available from Kilogram to >100 kg

Description

Sepax manufactures irregular silica sorbents with the particle size selection of 20-40 and 40-60 µm, the surface area of 550 m^2/g, and the pore size of 60 Å. The bonding chemistries are from regular C18, C8, C4, Phenyl, Cyano, Amino, Diol, SCX and SAX to any custom-synthesis. The controlled manufacturing process guarantees high batch-to-batch reproducibility. Their high surface area and high mechanical strength enable those media ideal for solid phase extraction, flash chromatography, industrial scale separation and purification.





Specifications

Phases	Chemistry	Particle size (µm)	Pore size (Å)	Surface area (m^2/g)	Carbon loading (%)	pH stability	Bonding
C18	Generik-C18	20-40 40-60	60 60	550 550	21.5 21.5	2-8.5	Trifunctional and fully endcapped
C8	Generik-C8	20-40 40-60	60 60	550 550	14.0 14.0	2-8.5	Trifunctional and fully endcapped
C4	Generik-C4	20-40 40-60	60 60	550 550	9.0 9.0	2-8.5	Trifunctional and fully endcapped
Phenyl	Generik-Phenyl	20-40 40-60	60 60	550 550	11.5 11.5	2-8.5	Trifunctional and fully endcapped
CN	Generik-Cyano	20-40 40-60	60 60	550 550	7.5 7.5	2-8.5	Trifunctional and no endcapping
NH_2	Generik-Amino	20-40 40-60	60 60	550 550	8.0 8.0	2-8.5	Trifunctional and no endcapping
Diol	Generik-Diol	20-40 40-60	60 60	550 550	8.0 8.0	2-8.5	Trifunctional and no endcapping
SO_3H	Generik-SCX	20-40 40-60	60 60	550 550	11.0 11.0	2-8.5	Trifunctional and fully endcapped
Silica	Generik-Silica	20-40 40-60	60 60	550 550	0.0 0.0	2-8.5	Acid activated surface

Metal Content Analysis

Generik Silica Metal Traces Analyzed by Inductively Coupled Plasma (ICP) Quantometer (ppm)			
Al	Ba	Ca	Fe
48.1	1.96	96.3	12.3
Mg	Na	Ti	Zn
40.3	102	34.5	1.43

Applications

- Separations for pharmaceuticals, nutraceuticals, natural products, acidic, neutral and basic compounds
- Separations of vitamins, natural products, polar compounds, peptides and proteins
- Solid phase extraction
- Flash chromatography
- Industrial scale purification

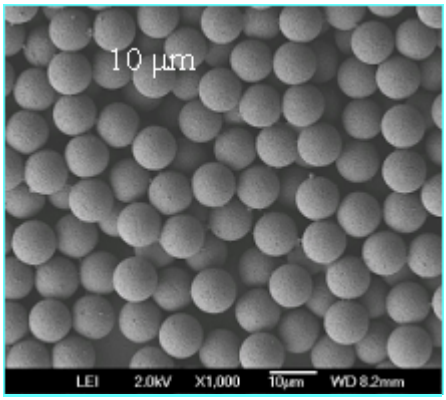
Ordering Information

Phase	Particle Size	Pore size	P/N	Package available Price (Inquire)
Generik-C18	20-40 µm	60 Å	501180-2406	1, 5, 10, 25, 50, 100 kg
	40-60 µm	60 Å	501180-4606	1, 5, 10, 25, 50, 100 kg
Generik-C8	20-40 µm	60 Å	507080-2406	1, 5, 10, 25, 50, 100 kg
	40-60 µm	60 Å	507080-4606	1, 5, 10, 25, 50, 100 kg
Generik-C4	20-40 µm	60 Å	509040-2406	1, 5, 10, 25, 50, 100 kg
	40-60 µm	60 Å	509040-4606	1, 5, 10, 25, 50, 100 kg
Generik-Phenyl	20-40 µm	60 Å	511360-2406	1, 5, 10, 25, 50, 100 kg
	40-60 µm	60 Å	511360-4606	1, 5, 10, 25, 50, 100 kg
Generik-Cyano	20-40 µm	60 Å	513310-2406	1, 5, 10, 25, 50, 100 kg
	40-60 µm	60 Å	513310-4606	1, 5, 10, 25, 50, 100 kg
Generik-Amino	20-40 µm	60 Å	515300-2406	1, 5, 10, 25, 50, 100 kg
	40-60 µm	60 Å	515300-4606	1, 5, 10, 25, 50, 100 kg
Generik-Diol	20-40 µm	60 Å	516330-2406	1, 5, 10, 25, 50, 100 kg
	40-60 µm	60 Å	516330-4606	1, 5, 10, 25, 50, 100 kg
Generik-SCX	20-40 µm	60 Å	520360-2406	1, 5, 10, 25, 50, 100 kg
	40-60 µm	60 Å	520360-4606	1, 5, 10, 25, 50, 100 kg
Generik-Silica	20-40 µm	60 Å	517000-2406	1, 5, 10, 25, 50, 100 kg
	40-60 µm	60 Å	517000-4606	1, 5, 10, 25, 50, 100 kg

Polymeric Bulk Media

Characteristics

- Available in PS/DVB and acrylate polymer supports
- High chemical stability for low leaching
- Spherical particles with narrow particle size distribution
- High surface area and high loading capacity
- High retentativity and selectivity
- Complete selection of ion-exchange chemistries
- Wide pH applications (pH=1-14)
- Available from grams to multi-Kilogram



Description

Sepax manufactures PS/DVB and acrylate polymer resins with the particle size selection of 5, 10, 15, 30, 50 and 100 µm and the pore size selection of 100, 300, 500 and 1000 Å. The spherical PS/DVB particles are highly cross-linked for enhanced mechanical stability. The PS/DVB resins with high hydrophobicity are used as the reversed phase separation media. The cross-linked polyacrylate resins are hydrophilic. Using PS/DVB and polyacrylate particles as the supports, SCX, WCX, SAX, and WAX ion-exchange media are prepared. SCX media is a strong cation exchanger with sulfonate functional groups. WCX is a weak cation exchanger with carboxylate functional groups. SAX is a strong anion exchanger with quaternary ammonium functional groups. WAX is a weak anion exchanger with tertiary amine functional groups. The controlled manufacturing process guarantees high batch-to-batch reproducibility. Their high surface area and high mechanical strength enable those media ideal for preparative separation and purification of proteins, peptides, nucleic acids, antibiotics, and pharmaceuticals.

Applications

- Separations for pharmaceuticals, nutraceuticals, natural products, acidic, neutral and basic compounds
- Separation of amino acids, peptides, proteins, nucleic acids, oligonucleotides, antibiotics, and antibodies
- Solid phase extraction
- Flash chromatography
- Industrial scale purification

Specifications

Products	Polymer Resin Support	Stationary phases	Pore size	Particle size
Generik PolyRP	PS/DVB	RPC	100，300，500 Å	10, 15, 30, 50 µm
Generik Q	PS/DVB	SAX	100，300，500 Å	10, 15, 30, 50 µm
Generik S	PS/DVB	SCX	100，300，500 Å	10, 15, 30, 50 µm
Proteomix SCX	PS/DVB	SCX	NP，500Å	10 µm
Proteomix WCX	PS/DVB	WCX	NP，500Å	10 µm
Proteomix SAX	PS/DVB	SAX	NP，500Å	10 µm
Proteomix WAX	PS/DVB	WAX	NP，500Å	10 µm
Generik MC-SP	Polyacrylate	SCX	300 Å	10, 15, 30, 50 µm
Generik MC-QAE	Polyacrylate	SAX	300 Å	10, 15, 30, 50 µm
Generik MC-CM	Polyacrylate	WCX	300 Å	10, 15, 30, 50 µm
Generik MC-DEAE	Polyacrylate	WAX	300 Å	10, 15, 30, 50 µm

Ordering Information

Phase	Pore size	P/N (10 µm)	P/N (15 µm)	P/N (30 µm)	P/N (50 µm)	Package available Price (Inquire)
Generik PolyRP	100 Å	263010-1010	263010-1510	263010-3010	263010-5010	0.5, 1, 5, 10, 25 L
	300 Å	263010-1030	263010-1530	263010-3030	263010-5030	0.5, 1, 5, 10, 25 L
Generik Q	100 Å	271000-1010	271000-1510	271000-3010	271000-5010	0.5, 1, 5, 10, 25 L
	300 Å	271000-1030	271000-1530	271000-3030	271000-5030	0.5, 1, 5, 10, 25 L
Generik S	100 Å	272000-1010	272000-1510	272000-3010	272000-5010	0.5, 1, 5, 10, 25 L
	300 Å	272000-1030	272000-1530	272000-3030	272000-5030	0.5, 1, 5, 10, 25 L
Proteomix SCX	NP	401NP10-0000				0.1, 0.5, 1, 5, 10 L
	500 Å	405509-0000				0.1, 0.5, 1, 5, 10 L
Proteomix WCX	NP	402NP10-0000				0.1, 0.5, 1, 5, 10 L
	500 Å	406509-0000				0.1, 0.5, 1, 5, 10 L
Proteomix SAX	NP	403NP10-0000				0.1, 0.5, 1, 5, 10 L
	500 Å	407509-0000				0.1, 0.5, 1, 5, 10 L
Proteomix WAX	NP	404NP10-0000				0.1, 0.5, 1, 5, 10 L
	500 Å	408509-0000				0.1, 0.5, 1, 5, 10L
Generik MC-SP	300 Å	273000-1030	273000-1530	273000-3030	273000-5030	0.5, 1, 5, 10, 25 L
Generik MC-QAE	300 Å	274000-1030	274000-1530	274000-3030	274000-5030	0.5, 1, 5, 10, 25 L
Generik MC-CM	300 Å	275000-1030	275000-1530	275000-3030	275000-5030	0.5, 1, 5, 10, 25 L
Generik MC-DEAE	300 Å	276000-1030	276000-1530	276000-3030	276000-5030	0.5, 1, 5, 10, 25 L