



Scale up to more options

Preparative HPLC columns

Scale up to more options

Columns in every format, media and size



For Prep LC columns, one size does not fit all. Whether you need unique chemistries for difficult separations, XtendedLife columns for longer use, or budget-friendly solutions for routine separations, we deliver. Our full range of column hardware offers robust performance and our wide variety of chemistries makes it easy to scale-up from your current analytical method.

Expect reproducible results with sample prep, columns and vials

Preparative scale liquid chromatography is used for purification and isolation of molecules, which are of value in the pharmaceutical, biopharmaceutical and associated chemical industries. The production of highly pure compounds in these industries is increasingly important in terms of the chemical activity, toxicity and usefulness for screening in highly defined and costly experimental processes.

These processes start on an analytical scale with only a few micrograms of material (e.g., for enzymes in biopharmaceutical applications) or a few milligrams (e.g., for structural or identification of synthesized or natural products). Further along the process, gram quantities are usually required for standard and reference compounds or compounds targeted for pharmacology and toxicology testing.

Phase properties

Preparative HPLC columns are available in 40 chemistries* for maximum flexibility and options to scale up analytical methods with chemistry continuity for easy method transfer.

Phase name	Phase properties
Premium	
Hypersil GOLD	Hypersil GOLD HPLC columns provide excellent peak shape for all analyte types
Hypersil GOLD C8	Hypersil GOLD C8 columns provide similar selectivity to C18 columns, but with reduced retention
Hypersil GOLD aQ	Hypersil GOLD aQ polar endcapped C18 columns are stable in 100% aqueous mobile phase and provide enhanced retention and resolution of polar analytes
Hypersil GOLD C4	Hypersil GOLD C4 columns provide similar selectivity to C18 and C8 columns, but with reduced retention
Hypersil GOLD Phenyl	Hypersil GOLD Phenyl columns offer excellent retention and unique selectivity for aromatic analytes
Hypercarb	Hypercarb columns have unique properties for retention and resolution of polar analytes and resolution of isomers
Syncronis C18	Syncronis C18 columns have highly pure, high surface area silica that is double end-capped for robust and high-resolution separations
Syncronis HILIC	Syncronis HILIC columns provide enhanced retention of polar and hydrophilic analytes that are problematic using reversed phase columns
Accucore XL C18	Thermo Scientific™ Accucore™ C18 solid-core particles provide optimal retention of a broad range of nonpolar analytes across multiple applications
Accucore XL C8	Accucore C8 solid-core particles provide optimal retention of analytes with moderate hydrophobicity
DNAPac RP	DNAPac RP is designed for analysis of oligonucleotides and double-stranded (ds) DNA/RNA fragments under a broad range pH, temperature, and mobile phase compositions
DNAPac PA200	DNAPac PA200 is a strong anion exchange resin for high-resolution analysis and purification of synthetic oligonucleotides
MABpac	Thermo Scientific™ MABpac™ columns separate closely-related monoclonal antibody variants for characterization and quality control assessment and offer the highest resolution and exceptionally high efficiency
ProPac	Thermo Scientific™ ProPac™ columns are for high resolution separation of therapeutic proteins, monoclonal antibodies, and associated charge variants; high efficiency with reproducible separations, high recovery with low carry-over
Hypersil PREP	
Hypersil PREP BDS C18	Hypersil PREP C18 BDS offers C18 retention with base deactivation for reduced silanol activity in analytical and preparative scale
Hypersil PREP BDS C8	Hypersil PREP C8 BDS offers selectivity similar to C18 BDS, but with reduced retention in analytical and preparative scale
Hypersil PREP ODS	Hypersil PREP ODS is a general purpose C18 used in a broad range of applications
Hypersil PREP BDS Si	Hypersil PREP Si BDS is a base deactivated Si for normal phase chromatography of nonpolar and moderately polar organic compounds
Hypersil PREP Si	Hypersil PREP Si is for normal phase chromatography of nonpolar and moderately polar organic compounds
Hypersil PREP BDS Phenyl	Hypersil PREP Phenyl BDS is a base-deactivated column with unique selectivity for aromatic and slightly polar compounds
Hypersil PREP HS	
Hypersil PREP HS C18	Hypersil PREP HS C18 phases offers high loading capacity and fully scalable from analytical to prep, suitable for all USP-L1 applications
Hypersil PREP HS C8	Hypersil PREP HS C8 High loading capacity and fully scalable from analytical to pprep, suitable for all USP-L1 applications
Hypersil PREP HS Si	Hypersil PREP HS Si is a pure silica chemistry with high loading capacity that is fully scalable from analytical to prep, suitable for all USP-L3 applications
Hypersil PREP HS Phenyl	Hypersil PREP HS phenyl chemistry with high loading capacity and fully scalable from analytical to prep, suitable for all USP-L11 applications
Hypersil Chiral	
Hypersil Chiral JT	Hypersil Chiral JT columns are a good starting point for method development of chiral separations
Hypersil Chiral AT	Hypersil Chiral AT columns are the highest generality of all chiral phases designed for separations of neutral, acidic and basic racemates in normal phase mode
Hypersil Chiral OT	Hypersil Chiral OT columns are designed for separations of neutral, acidic and basic racemates in normal phase mode

*Displayed are our most requested phases for preparative HPLC columns. If there is a Thermo Scientific stationary phase you are currently using and would like to obtain it in preparative scale or would like to discuss a specific phase not listed above, please contact your local sales representative to discuss your requirements, including custom orders.

Column hardware

Options based on column inner diameter (i.d.) and column performance needs:

Standard threaded and standard flange hardware

- Expertly packed and robustly designed to balance cost and lifetime for routine use
- Made of high quality stainless steel for standard applications up to 200 mm i.d.
- Standard threaded hardware for column i.d. < 40 mm and standard flange hardware for column i.d. ≥ 40 mm
- Can be modified on request to be compatible with supercritical fluid chromatography (SFC)

XtendedLife hardware

- Extends column lifetime by incorporating an internal Dynamic Axial Compression (DAC) system, ensuring the media bed is continuously packed tightly
- Compatible with SFC and is available in dimensions up to 50 mm i.d.



Column hardware examples:
1: Standard threaded hardware
2: Standard flange hardware
3: XtendedLife hardware

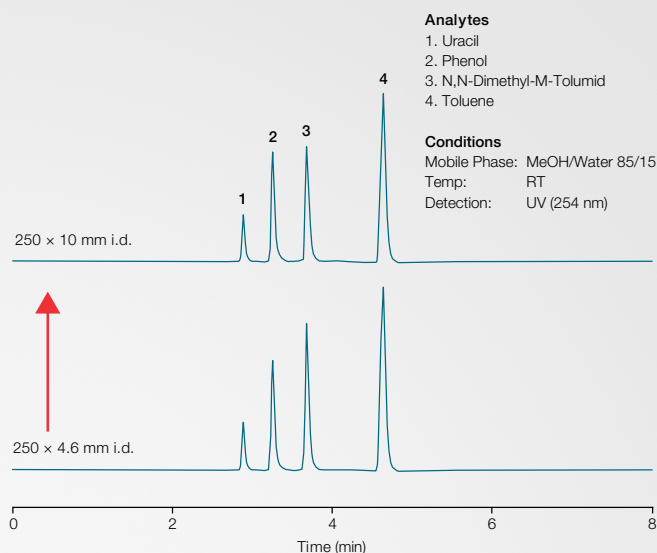
Preparative HPLC column overview

This extensive portfolio of Thermo Scientific preparative HPLC columns allow for easy, reliable and robust scale-up from analytical to preparative HPLC, and offers diverse solutions to resolve even the most difficult analytes.

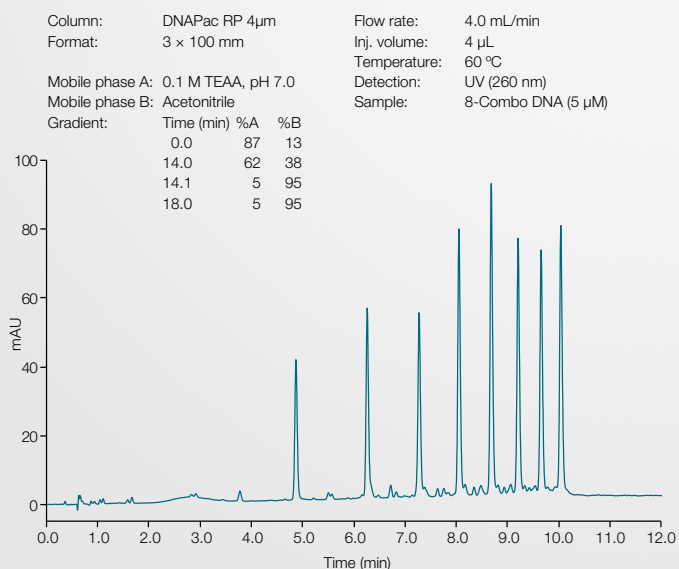
Premium stationary phases

The range of Thermo Scientific premium stationary phases are manufactured to the highest standards and provide excellent selectivity and separations for a variety of applications. Our unique chemistries can meet the most challenging separations.

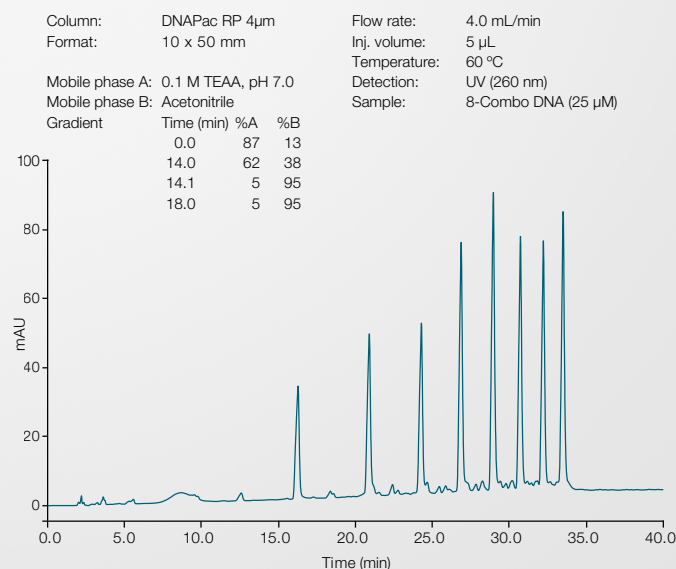
- The Thermo Scientific™ Hypersil GOLD™ family of ultra-pure silica phases provides excellent resolution and peak shape. The family is fully scalable from analytical to preparative scale LC with particle sizes of 1.9, 3, 5, and 12 µm delivering the best separation available.
- The Thermo Scientific™ Hypercarb™ chemistry is unique because it offers enhanced retention of polar compounds and separation of structurally related analytes with stability at pH extremes and high temperature.
- The Thermo Scientific™ Synchronis™ offers a highly pure, high surface area silica and dense stationary phase coverage, which minimizes secondary interactions to ensure robust, high-resolution separations.
- The Thermo Scientific™ DNAPac™ is available in either RP or IEX mode for separation of oligonucleotides and double stranded DNA/RNA fragments.



Hypersil GOLD 5mm scaled from Analytical to Preparative LC



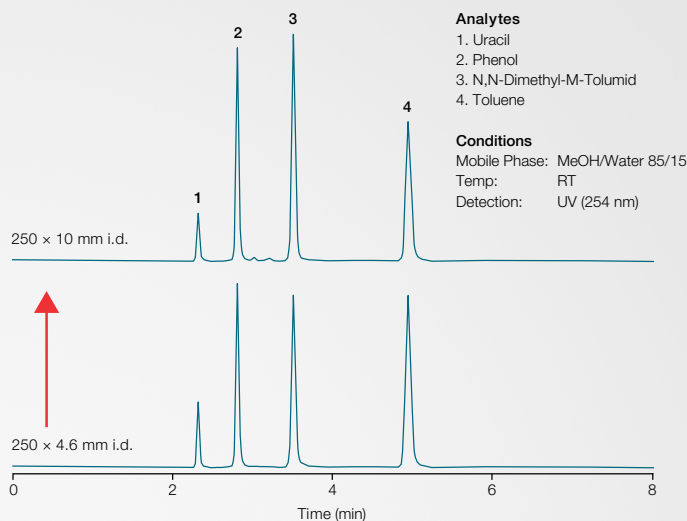
Oligonucleotide analysis using DNAPac RP in analytical scale



Oligonucleotide analysis using DNAPac RP in Preparative scale

Hypersil PREP stationary phases

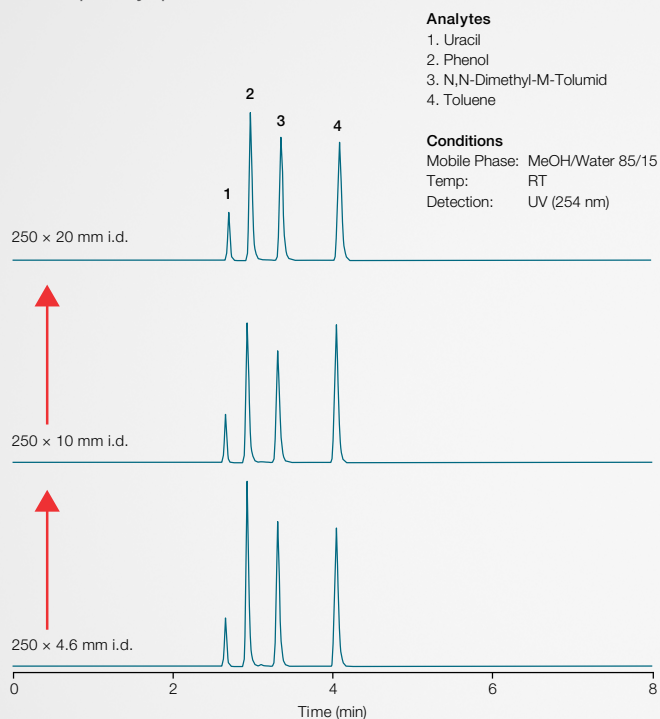
Building on over 40 years of proven success with Hypersil technology, Thermo Scientific™ Hypersil PREP stationary phases are excellent choices for routine applications that require development from analytical to preparative LC scale. Available in C18, C8 and Si BDS, as well as ODS, Si and Phenyl phases, the Hypersil PREP range is designed to provide good selectivity for a wide number of applications.



Hypersil PREP BDS C18 5mm scaled from Analytical to Preparative LC

Hypersil Prep HS stationary phases

The Thermo Scientific™ Hypersil™ PREP HS range is designed as a high surface area particle with a 100Å pore size to maximize retention and loading. An excellent choice for small molecule and drug purification applications, Hypersil PREP HS is available in C18, C8, Si and phenyl phases.

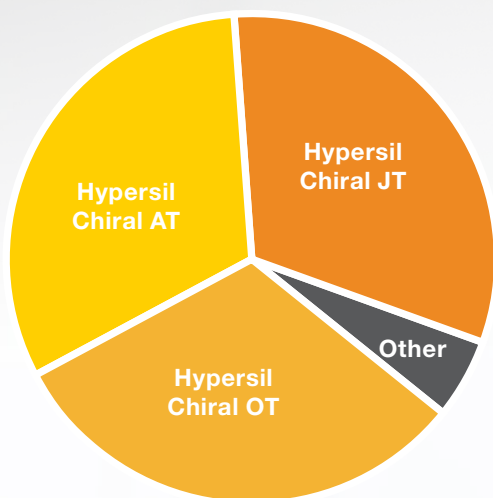


Hypersil PREP HS C18 5mm scaled from Analytical to Preparative LC

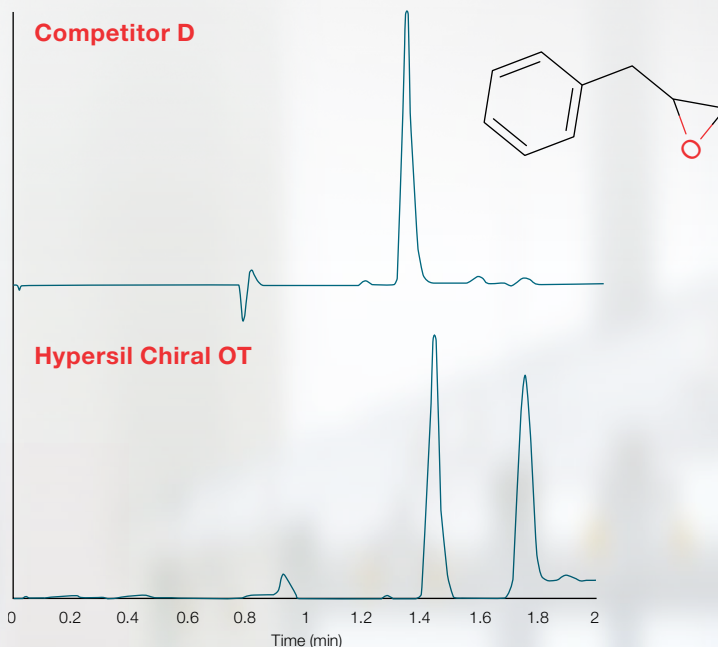


Chiral HPLC column applications

Thermo Scientific™ Hypersil™ Chiral columns allow you to separate a majority of enantiomers. To maximize screening efficiency, these columns can be ordered in kits, and all columns are available up to preparative scale.



Our chiral columns allow you to separate a majority of enantiomers



Our chiral chemistries separate most chiral compounds easily; Hypersil Chiral OT column successfully resolves (2,3-epoxypropyl)-benzene enantiomers, unlike Competitor D column

Hypersil Chiral stationary phases

Hypersil Chiral JT	<ul style="list-style-type: none"> Chemistry: Tris-(4-methylbenzoyl)-cellulose modified silica Best starting point for method development
Hypersil Chiral AT	<ul style="list-style-type: none"> Chemistry: Amylose tris-3,5-dimethylphenylcarbamate modified silica Highest generality of all chiral phases No aromatic ring necessary No inversion of elution order possible
Hypersil Chiral OT	<ul style="list-style-type: none"> Chemistry: Cellulose tris-(3,5-dimethylphenyl-carbamate)modified silica Highly versatile chiral phase No aromatic ring necessary No inversion of elution order possible

Thermo Scientific offers many other Chiral Stationary Phases (CSPs), including immobilized brush-type phases; contact your local sales representative with your specific requirements for chiral separations

Phase overview and details

Our wide range of stationary phases* routinely available in analytical and preparative scale and in a variety of particle sizes that can be packed into our hardware options for maximum flexibility.

Phase name	Pore Size (Å)	Surface Area (m ² /g)	Carbon Load (%)	USP code	pH Range
Premium					
Hypersil GOLD	175	220	10	L1	2 to 9
Hypersil GOLD C8	175	220	8	L7	2 to 9
Hypersil GOLD aQ	175	220	12	L1	2 to 9
Hypersil GOLD C4	175	220	5	L26	2 to 8
Hypersil GOLD Phenyl	175	220	8	L11	2 to 8
Hypercarb	250	120	100	L109	0 to 14
Synchronis C18	100	320	16	L1	2 to 9
Synchronis HILIC	100	320	5	None	2 to 8
Accucore XL C18	80	90	7	L1	2 to 9
Accucore XL C8	80	90	4	L7	2 to 9
DNAPac RP	Proprietary wide pore	N/A	N/A	None	0 to 14
DNAPac PA200	Nonporous	N/A	N/A	None	4 to 10
MABPac	Nonporous	N/A	N/A	None	Dependent on chemistry
ProPac	Nonporous	N/A	N/A	None	Dependent on chemistry
Hypersil PREP					
Hypersil PREP BDS C18	145	185	11	L1	2 to 8
Hypersil PREP BDS C8	145	185	7	L7	2 to 8
Hypersil PREP ODS	130	195	10	L1	2 to 8
Hypersil PREP BDS Si	145	185	0	L3	2 to 7
Hypersil PREP Si	130	195	0	L3	2 to 7
Hypersil PREP BDS Phenyl	145	185	5	L11	2 to 8
Hypersil PREP HS					
Hypersil PREP HS C18	100	350	15	L1	2 to 9
Hypersil PREP HS C8	100	350	7	L7	2 to 8
Hypersil PREP HS Si	100	350	0	L3	2 to 7
Hypersil PREP HS Phenyl	100	350	9	L11	2 to 8
Hypersil Chiral					
Hypersil Chiral JT	1000	30	N/A	L80	N/A
Hypersil Chiral AT	1000	30	N/A	L51	N/A
Hypersil Chiral OT	1000	30	N/A	L40	N/A

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Ordering information: Premium prep columns

Particle size (µm)	Format	i.d. (mm)	Length (mm)	Hypersil GOLD	Hypersil GOLD C8	Hypersil GOLD aQ	Hypersil GOLD C4	Hypersil GOLD Phenyl	Hypercarb	Synchronis C18	Synchronis HILIC		
4	Standard	10	150										
5	Standard	7.8	100										
			10	50	25005-059070A				35005-059070A				
			100		25005-109070A		25305-109070A		35005-109070A				
			150		25005-159070A		25305-159070A		35005-159070A	97105-159070A			
			250		25005-259070A	25205-259070A	25305-259070A		25905-259070A	35005-259070A	97105-259070A		
		20	50		25005-059270A					35005-059270A			
			100		25005-109270A		25305-109270A	25505-109270A		35005-109270A			
			150		25005-159270A		25305-159270A			35005-159270A	97105-159270A		
			250		25005-259270A	25205-259270A	25305-259270A	25505-259270A		35005-259270A	97105-259270A	97505-259270A	
		22	100										
							25305-109370A			35005-109370A			
				25005-159370A		25305-159370A		35005-159370A	97105-159370A				
		50	100										
							25305-109570A						
				25005-259370A		25305-259370A				97505-259370A			
			150										
							25305-159570A						
							25305-259570A					97505-259570A	
	XtendedLife	10	250						25905-259070XL				
			50						35005-059270XL				
						25005-109270XL		25305-109270XL	25505-109270XL	35005-109270XL			
						25005-159270XL		25305-159270XL		35005-159270XL	97105-159270XL		
		250			25005-259270XL	25205-259270XL	25305-259270XL	25505-259270XL		35005-259270XL	97105-259270XL	97505-259270XL	
			30	100						35005-109370XL			
							25005-159370XL		25305-159370XL		35005-159370XL	97105-159370XL	
						25005-259370XL		25305-259370XL				97505-259370XL	
		50	100										
							25305-109570XL						
							25305-159570XL		25305-259570XL				97505-259570XL
		Guard	8	10			25205-018823A	25305-018823A				97105-018823A	
	20					25205-028823A							
	20		10			25205-019023A	25305-019023A				97105-019023A	97505-019023A	
20					25205-029023A	25305-029023A				97105-029023A	97505-029023A		
Guard 1/16"	30	10				25305-019323A				97105-019323A	97505-019323A		
		20				25305-029323A				97505-029323A			
Guard 1/8"	30	10				25305-019323B				97105-019323B	97505-019323B		
		20				25305-029323B				97505-029323B			
7	Standard	30	100						35007-109370A				
	XtendedLife	30	100						35007-109370XL				
	Guard	8	10						35007-018823A				
			20	10					35007-019023A				
			20						35007-029023A				
	Guard 1/16"	30	10						35007-019323A				
			20						35007-029323A				
	Guard 1/8"	30	10						35007-019323B				
20								35007-029323B					
8	Standard	22	250										
10	Standard	9	250										
		22	250										
12	Standard	10	250	25012-259070A									
			150	25012-159270A									
		250	25012-259270A										
		30	150	25012-159370A									
			250	25012-259370A									
	50	25012-259570A											
	XtendedLife	25	150	25012-159270XL									
			250	25012-259270XL									
		30	150	25012-159370XL									
			250	25012-259370XL									
	50	25012-259570XL											
	Guard	8	10	25012-018823A									
			20	10	25012-019023A								
			20	25012-029023A									
	Guard 1/16"	30	10	25012-019323A									
			20	25012-029323A									
Guard 1/8"	30	10	25012-019323B										
		20	25012-029323B										
13.5	Standard	9	50										
		22	50										
		250											

*Displayed are our most requested phases for preparative HPLC columns. If you are using a specific Thermo Scientific stationary phase and would like to obtain in preparative scale or would like to discuss a specific phase not listed above, please contact your local sales representative to discuss your requirements, including custom orders.

Accucore XL C18	Accucore XL C8	DNAPac RP	DNAPac PA100	DNAPac PA200	MAbPac HIC-10	MAbPac HIC-20	MAbPac HIC-Butyl	MAbPac SCX-10	ProPac HIC	ProPac HIC-10	ProPac SAX-10	ProPac SCX-10	ProPac WAX-10	ProPac WCX-10
		SP6998			SP6997		SP6965							
74104-059070A	74204-059070A									01005-109070				
74104-109070A	74204-109070A								SP6961	SP6800				
74104-159070A	74204-159070A								SP6995					
74104-059270A	74204-059270A													
74104-109270A	74204-109270A													
74104-159270A	74204-159270A										01005-259270			
											SP6869			
						02005-259570								
74104-018823A	74204-018823A													
74104-019023A	74204-019023A													
74104-029023A	74204-029023A				088780									
					088781									
								088784						
								SP6947			088770	088769	088771	088766
			088764											
			088765											
			088759											

Ordering information: Hypersil PREP columns



Format	i. d. (mm)	Length (mm)	Hypersil PREP C18 BDS	Hypersil PREP C8 BDS	Hypersil PREP ODS	Hypersil PREP Si BDS	Hypersil PREP Si	Hypersil PREP Phenyl BDS		
Standard	2	50	40003-052130	40103-052130	40203-052130	40303-052130				
		100	40003-102130	40103-102130	40203-102130	40303-102130				
		150	40003-152130	40103-152130	40203-152130	40303-152130				
		250	40003-252130	40103-252130	40203-252130	40303-252130				
	4.6	50	40003-054630	40103-054630	40203-054630	40303-054630				
		100	40003-104630	40103-104630	40203-104630	40303-104630				
		150	40003-154630	40103-154630	40203-154630	40303-154630				
		250	40003-254630	40103-254630	40203-254630	40303-254630				
Standard	2	50	40005-052130	40105-052130	40205-052130	40305-052130	40405-052130	40505-052130		
		100	40005-102130	40105-102130	40205-102130	40305-102130	40405-102130	40505-102130		
		150	40005-152130	40105-152130	40205-152130	40305-152130	40405-152130	40505-152130		
		250	40005-252130	40105-252130	40205-252130	40305-252130	40405-252130	40505-252130		
	4.6	50	40005-054630	40105-054630	40205-054630	40305-054630	40405-054630	40505-054630		
		100	40005-104630	40105-104630	40205-104630	40305-104630	40405-104630	40505-104630		
		150	40005-154630	40105-154630	40205-154630	40305-154630	40405-154630	40505-154630		
		250	40005-254630	40105-254630	40205-254630	40305-254630	40405-254630	40505-254630		
	10	50	40005-059070A	40105-059070A	40205-059070A	40305-059070A	40405-059070A	40505-059070A		
		100	40005-109070A	40105-109070A	40205-109070A	40305-109070A	40405-109070A	40505-109070A		
		150	40005-159070A	40105-159070A	40205-159070A	40305-159070A	40405-159070A	40505-159070A		
		250	40005-259070A	40105-259070A	40205-259070A	40305-259070A	40405-259070A	40505-259070A		
	20	50	40005-059270A	40105-059270A	40205-059270A	40305-059270A	40405-059270A	40505-059270A		
		100	40005-109270A	40105-109270A	40205-109270A	40305-109270A	40405-109270A	40505-109270A		
		150	40005-159270A	40105-159270A	40205-159270A	40305-159270A	40405-159270A	40505-159270A		
		250	40005-259270A	40105-259270A	40205-259270A	40305-259270A	40405-259270A	40505-259270A		
	30	150	40005-159370A	40105-159370A	40205-159370A	40305-159370A	40405-159370A	40505-159370A		
		250	40005-259370A	40105-259370A	40205-259370A	40305-259370A	40405-259370A	40505-259370A		
	50	150	40005-159570A	40105-159570A	40205-159570A	40305-159570A	40405-159570A	40505-159570A		
		250	40005-259570A	40105-259570A	40205-259570A	40305-259570A	40405-259570A	40505-259570A		
	XtendedLife	25	50	40005-059270XL	40105-059270XL	40205-059270XL	40305-059270XL	40405-059270XL	40505-059270XL	
			100	40005-109270XL	40105-109270XL	40205-109270XL	40305-109270XL	40405-109270XL	40505-109270XL	
			150	40005-159270XL	40105-159270XL	40205-159270XL	40305-159270XL	40405-159270XL	40505-159270XL	
			250	40005-259270XL	40105-259270XL	40205-259270XL	40305-259270XL	40405-259270XL	40505-259270XL	
		30	150	40005-159370XL	40105-159370XL	40205-159370XL	40305-159370XL	40405-159370XL	40505-159370XL	
			250	40005-259370XL	40105-259370XL	40205-259370XL	40305-259370XL	40405-259370XL	40505-259370XL	
		50	150	40005-159570XL	40105-159570XL	40205-159570XL	40305-159570XL	40405-159570XL	40505-159570XL	
			250	40005-259570XL	40105-259570XL	40205-259570XL	40305-259570XL	40405-259570XL	40505-259570XL	
		Guard	8	10					40405-018823A	40505-018823A
				20					40405-019023A	40505-019023A
				20					40405-029023A	40505-029023A
		Guard 1/16"	30	10					40405-019323A	40505-019323A
20							40405-029323A	40505-029323A		
Guard 1/8"	30	10					40405-019323B	40505-019323B		
		20					40405-029323B	40505-029323B		
Standard	10	50	40010-059070A	40110-059070A	40210-059070A	40310-059070A				
		100	40010-109070A	40110-109070A	40210-109070A	40310-109070A				
		150	40010-159070A	40110-159070A	40210-159070A	40310-159070A				
		250	40010-259070A	40110-259070A	40210-259070A	40310-259070A				
	20	50	40010-059270A	40110-059270A	40210-059270A	40310-059270A				
		100	40010-109270A	40110-109270A	40210-109270A	40310-109270A				
		150	40010-159270A	40110-159270A	40210-159270A	40310-159270A				
		250	40010-259270A	40110-259270A	40210-259270A	40310-259270A				
	30	150	40010-159370A	40110-159370A	40210-159370A	40310-159370A				
		250	40010-259370A	40110-259370A	40210-259370A	40310-259370A				
	50	150	40010-159570A	40110-159570A	40210-159570A	40310-159570A				
		250	40010-259570A	40110-259570A	40210-259570A	40310-259570A				
	XtendedLife	25	50	40010-059270XL	40110-059270XL	40210-059270XL	40310-059270XL			
			100	40010-109270XL	40110-109270XL	40210-109270XL	40310-109270XL			
			150	40010-159270XL	40110-159270XL	40210-159270XL	40310-159270XL			
			250	40010-259270XL	40110-259270XL	40210-259270XL	40310-259270XL			
		30	150	40010-159370XL	40110-159370XL	40210-159370XL	40310-159370XL			
			250	40010-259370XL	40110-259370XL	40210-259370XL	40310-259370XL			
		50	150	40010-159570XL	40110-159570XL	40210-159570XL	40310-159570XL			
			250	40010-259570XL	40110-259570XL	40210-259570XL	40310-259570XL			
Guard		8	10	40010-018823A	40110-018823A	40210-018823A	40310-018823A			
			20	40010-019023A	40110-019023A	40210-019023A	40310-019023A			
			20	40010-029023A	40110-029023A	40210-029023A	40310-029023A			
Guard 1/16"		30	10	40010-019323A	40110-019323A	40210-019323A	40310-019323A			
	20		40010-029323A	40110-029323A	40210-029323A	40310-029323A				
Guard 1/8"	30	10	40010-019323B	40110-019323B	40210-019323B	40310-019323B				
		20	40010-029323B	40110-029323B	40210-029323B	40310-029323B				

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Ordering information: Hypersil PREP HS columns

Particle size (µm)	Format	i. d. (mm)	Length (mm)	Hypersil PREP C18 HS	Hypersil PREP C8 HS	Hypersil PREP Si HS	Hypersil PREP Phenyl HS	Hypersil PREP Phenyl BDS		
3	Standard	2	50	41003-052130	41103-052130					
			100	41003-102130	41103-102130					
			150	41003-152130	41103-152130					
			250	41003-252130	41103-252130					
		4.6	50	41003-054630	41103-054630					
			100	41003-104630	41103-104630					
5	Standard	2	50	41005-052130	41105-052130	41405-052130	41505-052130	40505-052130		
			100	41005-102130	41105-102130	41405-102130	41505-102130	40505-102130		
			150	41005-152130	41105-152130	41405-152130	41505-152130	40505-152130		
			250	41005-252130	41105-252130	41405-252130	41505-252130	40505-252130		
		4.6	50	41005-054630	41105-054630	41405-054630	41505-054630	40505-054630		
			100	41005-104630	41105-104630	41405-104630	41505-104630	40505-104630		
			150	41005-154630	41105-154630	41405-154630	41505-154630	40505-154630		
			250	41005-254630	41105-254630	41405-254630	41505-254630	40505-254630		
		10	50	41005-059070A	41105-059070A	41405-059070A	41505-059070A	40505-059070A		
			100	41005-109070A	41105-109070A	41405-109070A	41505-109070A	40505-109070A		
			150	41005-159070A	41105-159070A	41405-159070A	41505-159070A	40505-159070A		
			250	41005-259070A	41105-259070A	41405-259070A	41505-259070A	40505-259070A		
		20	50	41005-059270A	41105-059270A	41405-059270A	41505-059270A	40505-059270A		
			100	41005-109270A	41105-109270A	41405-109270A	41505-109270A	40505-109270A		
			150	41005-159270A	41105-159270A	41405-159270A	41505-159270A	40505-159270A		
			250	41005-259270A	41105-259270A	41405-259270A	41505-259270A	40505-259270A		
		30	150	41005-159370A	41105-159370A	41405-159370A	41505-159370A	40505-159370A		
			250	41005-259370A	41105-259370A	41405-259370A	41505-259370A	40505-259370A		
		50	150	41005-159570A	41105-159570A	41405-159570A	41505-159570A	40505-159570A		
			250	41005-259570A	41105-259570A	41405-259570A	41505-259570A	40505-259570A		
		XtendedLife	25	50	41005-059270XL	41105-059270XL	41405-059270XL	41505-059270XL	40505-059270XL	
				100	41005-109270XL	41105-109270XL	41405-109270XL	41505-109270XL	40505-109270XL	
				150	41005-159270XL	41105-159270XL	41405-159270XL	41505-159270XL	40505-159270XL	
				250	41005-259270XL	41105-259270XL	41405-259270XL	41505-259270XL	40505-259270XL	
			30	150	41005-159370XL	41105-159370XL	41405-159370XL	41505-159370XL	40505-159370XL	
				250	41005-259370XL	41105-259370XL	41405-259370XL	41505-259370XL	40505-259370XL	
			50	150	41005-159570XL	41105-159570XL	41405-159570XL	41505-159570XL	40505-159570XL	
				250	41005-259570XL	41105-259570XL	41405-259570XL	41505-259570XL	40505-259570XL	
			Guard	8	10			41405-018823A	41505-018823A	40505-018823A
					20			41405-019023A	41505-019023A	40505-019023A
20					41405-029023A	41505-029023A	40505-029023A			
Guard 1/16"	30		10			41405-019323A	41505-019323A	40505-019323A		
		20			41405-029323A	41505-029323A	40505-029323A			
Guard 1/8"	30	10			41405-019323B	41505-019323B	40505-019323B			
		20			41405-029323B	41505-029323B	40505-029323B			
10	Standard	10	50	41010-059070A	41110-059070A					
			100	41010-109070A	41110-109070A					
			150	41010-159070A	41110-159070A					
			250	41010-259070A	41110-259070A					
		20	50	41010-059270A	41110-059270A					
			100	41010-109270A	41110-109270A					
			150	41010-159270A	41110-159270A					
			250	41010-259270A	41110-259270A					
		30	150	41010-159370A	41110-159370A					
			250	41010-259370A	41110-259370A					
		50	150	41010-159570A	41110-159570A					
			250	41010-259570A	41110-259570A					
		XtendedLife	25	50	41010-059270XL	41110-059270XL				
				100	41010-109270XL	41110-109270XL				
				150	41010-159270XL	41110-159270XL				
				250	41010-259270XL	41110-259270XL				
			30	150	41010-159370XL	41110-159370XL				
				250	41010-259370XL	41110-259370XL				
			50	150	41010-159570XL	41110-159570XL				
				250	41010-259570XL	41110-259570XL				
			Guard	8	10	41010-018823A	41110-018823A			
					20	41010-019023A	41110-019023A			
				20	41010-029023A	41110-029023A				
			Guard 1/16"	30	10	41010-019323A	41110-019323A			
		20			41010-029323A	41110-029323A				
		Guard 1/8"	30	10	41010-019323B	41110-019323B				
				20	41010-029323B	41110-029323B				

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Ordering information: Chiral columns

Particle size (µm)	Format	i.d. (mm)	Length (mm)	Hypersil Chiral JT	Hypersil Chiral AT	Hypersil Chiral OT	Kit of Three Columns (one in each phase)
3	Standard	4.6	50		42103-054630	42003-054630	
			100	42203-104630	42103-104630	42003-104630	Chiral KIT 3UM 100
			150	42203-154630	42103-154630	42003-154630	Chiral KIT 3UM 150
			250	42203-254630	42103-254630	42003-254630	Chiral KIT 3UM 250
5	Standard	4.6	100	42205-104630	42105-104630	42005-104630	Chiral KIT 5UM 100
			150	42205-154630	42105-154630	42005-154630	Chiral KIT 5UM 150
			250	42205-254630	42105-254630	42005-254630	Chiral KIT 5UM 250
		10	250	42205-259070A	42105-259070A	42005-259070A	
		20	250		42105-259270A	42005-259270A	
10	Standard	4.6	100	42210-104630	42110-104630	42010-104630	Chiral KIT 10UM 100
			150	42210-154630	42110-154630	42010-154630	Chiral KIT 10UM 150
			250	42210-254630	42110-254630	42010-254630	Chiral KIT 10UM 250
		10	250	42210-259070A	42110-259070A	42010-259070A	
		20	250		42110-259270A	42010-259270A	

Ordering information: Guard holders

Format	i.d. (mm)	Length (mm)	Guard Holder	Guard Holder 1/16"	Guard Holder 1/8"
Stand-alone	10	8	885-010		
		10	887-020		
		20	889-020		
	30	10		887-030	887-031
		20		891-030	891-031



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