



The wise choice



KromaPhase Core-Shell

Columns with Superficially Porous
Particles (SPPs)



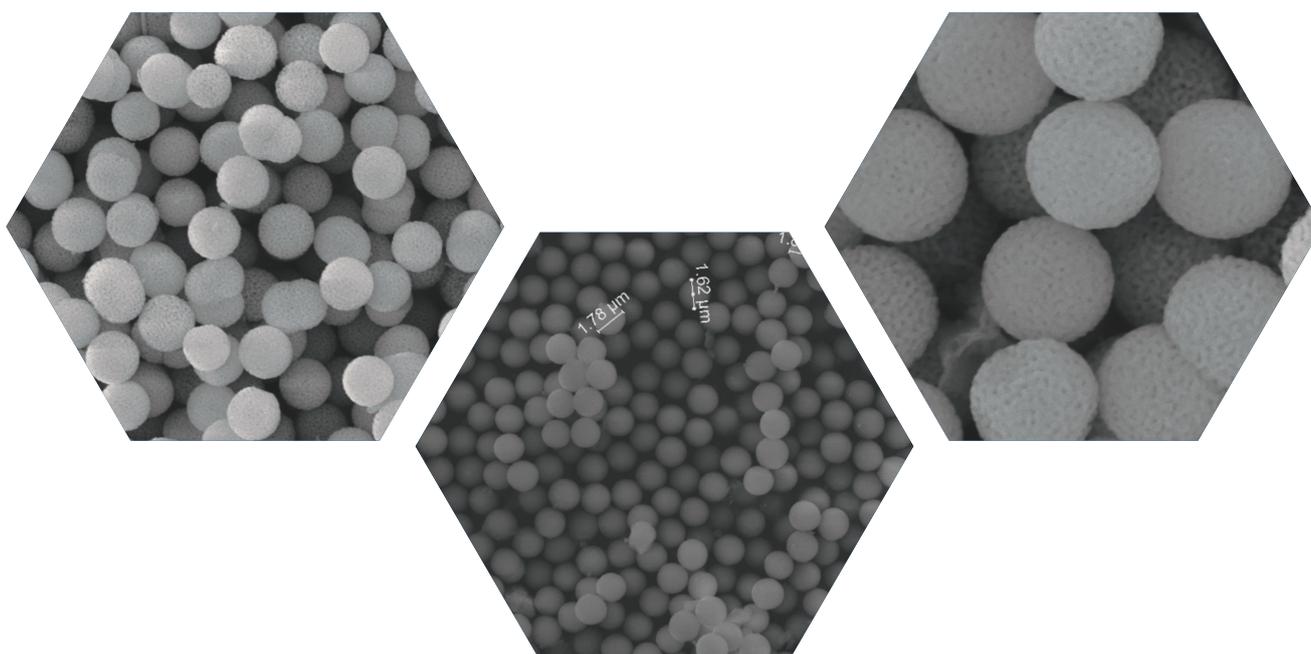
KromaPhase Core-Shell

Scharlab completes its HPLC chromatography portfolio with KromaPhase Core-Shell columns with Superficially Porous Particles (SPPs). SPPs are also called core-shell, fused core-shell, partially porous, pellicular, or solid-core. These particles are made of a solid, nonporous, impermeable silica centre surrounded by a porous shell layer with similar properties to those of fully porous materials. There is an optimum ratio between the core and the shell. We control that ratio, and it may vary between application and processes.

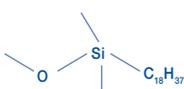
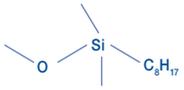
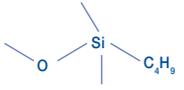
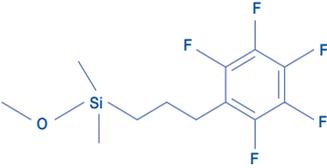
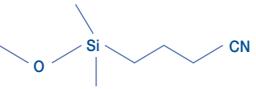
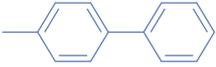
Scharlab's Kromaphase Core-Shell Technology results in less band broadening and results in chromatographic separations with enhanced resolution, higher sensitivity and improved peak capacities.

For core-shell porous, we have full and optimised control over physical properties and surface chemistry. This includes:

- pore size
- particles size
- pore volume
- particle size distribution
- density
- core porosity ratio for SPP





Stationary Phase	Chemical Structure	End-capped	USP Code
C18 C18 Plus		Yes	L1
C8		Yes	L7
C4		Yes	L26
Phenyl Hexyl Phenyl Hexyl Plus		Yes	L11
PFP (Pentafluorophenyl)		Yes	L43
Cyano		Yes	L10
BiPhenyl		Yes	L11



Ensuring complete product provenance was important to us and our values. We have honed packing technology to ensure the production of accurate, reliable and reproducible columns time after time.

Each column is tested after manufacture for efficiency, capacity, selectivity and peak symmetry. The test results are shown in the Test Chromatogram, which is attached with each column.

Scharlau KromaPhase Core-Shell columns offer a wide range of possibilities. The portfolio includes more than 200 columns and pre-columns with different silica functionalisation, internal diameter and dimensions.

Furthermore, we want to support the development of applications for niche analytes, and we have the knowledge to develop a custom-made column for your requirements. Please contact us for more information about custom-made columns.

Stationary Phase C18

Phase	Pore Size	Particle Size	Inner Ø	Length	U.	Part Number	
C18	100A	1,7µm	2,1mm	50mm	1	PC18C12150	
				100mm	1	PC18C12110	
				150mm	1	PC18C12115	
			3,0mm	50mm	1	PC18C13050	
				100mm	1	PC18C13010	
				150mm	1	PC18C13015	
		4,6mm	250mm	1	PC18C13025		
			50mm	1	PC18C14650		
			100mm	1	PC18C14610		
		300A	2,6µm	2,1mm	150mm	1	PC18C14615
					250mm	1	PC18C14625
					50mm	1	PC18C22150
				3,0mm	100mm	1	PC18C22110
					150mm	1	PC18C22115
					50mm	1	PC18C23050
			4,6mm	100mm	1	PC18C23010	
				150mm	1	PC18C23015	
				250mm	1	PC18C23025	
	1000A		1,7µm	2,1mm	50mm	1	PC18C24650
					100mm	1	PC18C24610
					150mm	1	PC18C24615
				3,0mm	250mm	1	PC18C24625
					50mm	1	PC18T12150
					100mm	1	PC18T12110
			2,6µm	2,1mm	150mm	1	PC18T12115
					50mm	1	PC18T13050
					100mm	1	PC18T13010
		3,0mm		150mm	1	PC18T13015	
				250mm	1	PC18T13025	
				50mm	1	PC18T22150	
		1000A	1,7µm	2,1mm	100mm	1	PC18T22110
					150mm	1	PC18T22115
					50mm	1	PC18T23050
				3,0mm	100mm	1	PC18T23010
					150mm	1	PC18T23015
					250mm	1	PC18T23025
2,6µm	2,1mm		50mm	1	PC18M12150		
			100mm	1	PC18M12110		
			150mm	1	PC18M12115		
	3,0mm		50mm	1	PC18M13050		
			100mm	1	PC18M13010		
			150mm	1	PC18M13015		
1000A	2,6µm		2,1mm	250mm	1	PC18M13025	
				50mm	1	PC18M22150	
				100mm	1	PC18M22110	
	3,0mm		150mm	1	PC18M22115		
			50mm	1	PC18M23050		
			100mm	1	PC18M23010		
1000A	3,0mm	3,0mm	150mm	1	PC18M23015		
			250mm	1	PC18M23025		
			50mm	1	PC18M23025		

Stationary Phase C18+

Phase	Pore Size	Particle Size	Inner Ø	Length	U.	Part Number	
C18+	100A	1,7µm	2,1mm	50mm	1	P18PC12150	
				100mm	1	P18PC12110	
				150mm	1	P18PC12115	
			3,0mm	50mm	1	P18PC13050	
				100mm	1	P18PC13010	
				150mm	1	P18PC13015	
			250mm	250mm	1	P18PC13025	
				4,6mm	50mm	1	P18PC14650
					100mm	1	P18PC14610
		150mm	1		P18PC14615		
		250mm	250mm	1	P18PC14625		
			2,1mm	50mm	1	P18PC22150	
				100mm	1	P18PC22110	
		150mm		1	P18PC22115		
		2,6µm	3,0mm	50mm	1	P18PC23050	
				100mm	1	P18PC23010	
				150mm	1	P18PC23015	
			250mm	250mm	1	P18PC23025	
				4,6mm	50mm	1	P18PC24650
					100mm	1	P18PC24610
			150mm		1	P18PC24615	
			250mm	250mm	1	P18PC24625	
				1,7µm	2,1mm	50mm	1
		100mm				1	P18PT12110
	150mm	1	P18PT12115				
	3,0mm	50mm	50mm	1	P18PT13050		
			100mm	1	P18PT13010		
			150mm	1	P18PT13015		
		250mm	250mm	1	P18PT13025		
			2,1mm	50mm	1	P18PT22150	
				100mm	1	P18PT22110	
	150mm	1		P18PT22115			
	2,6µm	3,0mm	50mm	1	P18PT23050		
			100mm	1	P18PT23010		
			150mm	1	P18PT23015		
		250mm	250mm	1	P18PT23025		
			1,7µm	2,1mm	50mm	1	P18PM12150
					100mm	1	P18PM12110
	150mm	1			P18PM12115		
	3,0mm	50mm	50mm	1	P18PM13050		
			100mm	1	P18PM13010		
			150mm	1	P18PM13015		
		250mm	250mm	1	P18PM13025		
			2,1mm	50mm	1	P18PM22150	
				100mm	1	P18PM22110	
	150mm	1		P18PM22115			
	2,6µm	3,0mm	50mm	1	P18PM23050		
			100mm	1	P18PM23010		
150mm			1	P18PM23015			
250mm		250mm	1	P18PM23025			

Stationary Phase C4

Phase	Pore Size	Particle Size	Inner Ø	Length	U.	Part Number	
C4	100A	1,7µm	2,1mm	50mm	1	P0C4C12150	
				100mm	1	P0C4C12110	
				150mm	1	P0C4C12115	
			3,0mm	50mm	1	P0C4C13050	
				100mm	1	P0C4C13010	
				150mm	1	P0C4C13015	
			250mm	250mm	1	P0C4C13025	
				4,6mm	50mm	1	P0C4C14650
					100mm	1	P0C4C14610
		150mm	1		P0C4C14615		
		250mm	250mm	1	P0C4C14625		
			2,1mm	100mm	1	P0C4C22110	
				150mm	1	P0C4C22115	
		2,6µm		3,0mm	50mm	1	P0C4C23050
			100mm		1	P0C4C23010	
			150mm		1	P0C4C23015	
			250mm	250mm	1	P0C4C23025	
				4,6mm	50mm	1	P0C4C24650
					100mm	1	P0C4C24610
			150mm		1	P0C4C24615	
			250mm	250mm	1	P0C4C24625	
				1,7µm	2,1mm	50mm	1
		100mm				1	P0C4T12110
		150mm	1			P0C4T12115	
	3,0mm	50mm	50mm	1	P0C4T13050		
			100mm	1	P0C4T13010		
			150mm	1	P0C4T13015		
		250mm	250mm	1	P0C4T13025		
			2,1mm	50mm	1	P0C4T22150	
				100mm	1	P0C4T22110	
	150mm	1		P0C4T22115			
	2,6µm	3,0mm	50mm	1	P0C4T23050		
			100mm	1	P0C4T23010		
			150mm	1	P0C4T23015		
		250mm	250mm	1	P0C4T23025		
			1,7µm	2,1mm	50mm	1	P0C4M12150
					100mm	1	P0C4M12110
	150mm	1			P0C4M12115		
	3,0mm	50mm	50mm	1	P0C4M13050		
			100mm	1	P0C4M13010		
			150mm	1	P0C4M13015		
		250mm	250mm	1	P0C4M13025		
			2,1mm	50mm	1	P0C4M22150	
				100mm	1	P0C4M22110	
	150mm	1		P0C4M22115			
	2,6µm	3,0mm	50mm	1	P0C4M23050		
			100mm	1	P0C4M23010		
			150mm	1	P0C4M23015		
250mm		250mm	1	P0C4M23025			

Stationary Phase C8

Phase	Pore Size	Particle Size	Inner Ø	Length	U.	Part Number	
C8	100A	1,7µm	2,1mm	50mm	1	P0C8C12150	
				100mm	1	P0C8C12110	
				150mm	1	P0C8C12115	
			3,0mm	50mm	1	P0C8C13050	
				100mm	1	P0C8C13010	
				150mm	1	P0C8C13015	
			250mm	1	P0C8C13025		
				4,6mm	50mm	1	P0C8C14650
					100mm	1	P0C8C14610
		150mm	1		P0C8C14615		
		250mm	1	P0C8C14625			
			2,1mm	50mm	1	P0C8C22150	
				100mm	1	P0C8C22110	
		150mm		1	P0C8C22115		
		2,6µm	3,0mm	50mm	1	P0C8C23050	
				100mm	1	P0C8C23010	
				150mm	1	P0C8C23015	
			250mm	1	P0C8C23025		
				4,6mm	50mm	1	P0C8C24650
					100mm	1	P0C8C24610
			150mm		1	P0C8C24615	
			250mm	1	P0C8C24625		
				1,7µm	2,1mm	50mm	1
		100mm				1	P0C8T12110
	150mm	1	P0C8T12115				
	300A	3,0mm	50mm	1	P0C8T13050		
			100mm	1	P0C8T13010		
			150mm	1	P0C8T13015		
		250mm	1	P0C8T13025			
			2,1mm	50mm	1	P0C8T22150	
				100mm	1	P0C8T22110	
		150mm		1	P0C8T22115		
		2,6µm	3,0mm	50mm	1	P0C8T23050	
				100mm	1	P0C8T23010	
	150mm			1	P0C8T23015		
	250mm		1	P0C8T23025			
			1,7µm	2,1mm	50mm	1	P0C8M12150
					100mm	1	P0C8M12110
	150mm				1	P0C8M12115	
	1000A		3,0mm	50mm	1	P0C8M13050	
				100mm	1	P0C8M13010	
		150mm		1	P0C8M13015		
		250mm	1	P0C8M13025			
			2,1mm	50mm	1	P0C8M22150	
				100mm	1	P0C8M22110	
		150mm		1	P0C8M22115		
		2,6µm	3,0mm	50mm	1	P0C8M23050	
				100mm	1	P0C8M23010	
150mm	1			P0C8M23015			
250mm	1		P0C8M23025				

Stationary Phase CN

Phase	Pore Size	Particle Size	Inner Ø	Length	U.	Part Number	
CN	100A	1,7µm	2,1mm	50mm	1	P0CNC12150	
				100mm	1	P0CNC12110	
				150mm	1	P0CNC12115	
			3,0mm	50mm	1	P0CNC13050	
				100mm	1	P0CNC13010	
				150mm	1	P0CNC13015	
			250mm	1	P0CNC13025		
				4,6mm	50mm	1	P0CNC14650
					100mm	1	P0CNC14610
		150mm	1		P0CNC14615		
		250mm	1	P0CNC14625			
			2,1mm	50mm	1	P0CNC22150	
				100mm	1	P0CNC22110	
		150mm		1	P0CNC22115		
		2,6µm	3,0mm	50mm	1	P0CNC23050	
				100mm	1	P0CNC23010	
				150mm	1	P0CNC23015	
			250mm	1	P0CNC23025		
				4,6mm	50mm	1	P0CNC24650
					100mm	1	P0CNC24610
			150mm		1	P0CNC24615	
			250mm	1	P0CNC24625		
				1,7µm	2,1mm	50mm	1
		100mm				1	P0CNT12110
	150mm	1	P0CNT12115				
	300A	3,0mm	50mm	1	P0CNT13050		
			100mm	1	P0CNT13010		
			150mm	1	P0CNT13015		
		250mm	1	P0CNT13025			
			2,1mm	50mm	1	P0CNT22150	
				100mm	1	P0CNT22110	
		150mm		1	P0CNT22115		
		2,6µm	3,0mm	50mm	1	P0CNT23050	
				100mm	1	P0CNT23010	
	150mm			1	P0CNT23015		
	250mm		1	P0CNT23025			
			1,7µm	2,1mm	50mm	1	P0CNM12150
					100mm	1	P0CNM12110
	150mm				1	P0CNM12115	
	1000A		3,0mm	50mm	1	P0CNM13050	
				100mm	1	P0CNM13010	
		150mm		1	P0CNM13015		
		250mm	1	P0CNM13025			
			2,1mm	50mm	1	P0CNM22150	
				100mm	1	P0CNM22110	
		150mm		1	P0CNM22115		
		2,6µm	3,0mm	50mm	1	P0CNM23050	
				100mm	1	P0CNM23010	
150mm	1			P0CNM23015			
250mm	1		P0CNM23025				

Stationary Phase BP

Phase	Pore Size	Particle Size	Inner Ø	Length	U.	Part Number		
BP	100A	1,7µm	2,1mm	50mm	1	POCNC12150		
				100mm	1	POCNC12110		
				150mm	1	POCNC12115		
			3,0mm	50mm	1	POCNC13050		
				100mm	1	POCNC13010		
				150mm	1	POCNC13015		
			250mm	1	POCNC13025			
				4,6mm	50mm	1	POCNC14650	
					100mm	1	POCNC14610	
		150mm	1		POCNC14615			
		250mm	1	POCNC14625				
			2,1mm	50mm	1	POCNC22150		
				100mm	1	POCNC22110		
		150mm		1	POCNC22115			
		3,0mm	50mm	1	POCNC23050			
			100mm	1	POCNC23010			
			150mm	1	POCNC23015			
		250mm	1	POCNC23025				
			4,6mm	50mm	1	POCNC24650		
				100mm	1	POCNC24610		
		150mm		1	POCNC24615			
		250mm	1	POCNC24625				
			300A	1,7µm	2,1mm	50mm	1	POCNT12150
						100mm	1	POCNT12110
	150mm	1				POCNT12115		
	3,0mm	50mm		1	POCNT13050			
		100mm		1	POCNT13010			
		150mm		1	POCNT13015			
	250mm	1	POCNT13025					
		2,1mm	50mm	1	POCNT22150			
			100mm	1	POCNT22110			
	150mm		1	POCNT22115				
	3,0mm	50mm	1	POCNT23050				
		100mm	1	POCNT23010				
		150mm	1	POCNT23015				
	250mm	1	POCNT23025					
		1000A	1,7µm	2,1mm	50mm	1	POCNM12150	
					100mm	1	POCNM12110	
	150mm				1	POCNM12115		
	3,0mm		50mm	1	POCNM13050			
			100mm	1	POCNM13010			
			150mm	1	POCNM13015			
	250mm	1	POCNM13025					
		2,1mm	50mm	1	POCNM22150			
			100mm	1	POCNM22110			
	150mm		1	POCNM22115				
	3,0mm	50mm	1	POCNM23050				
		100mm	1	POCNM23010				
150mm		1	POCNM23015					
250mm	1	POCNM23025						

Stationary Phase PFP

Phase	Pore Size	Particle Size	Inner Ø	Length	U.	Part Number		
PFP	100A	1,7µm	2,1mm	50mm	1	PPFPC12150		
				100mm	1	PPFPC12110		
				150mm	1	PPFPC12115		
			3,0mm	50mm	1	PPFPC13050		
				100mm	1	PPFPC13010		
				150mm	1	PPFPC13015		
			250mm	1	PPFPC13025			
				4,6mm	50mm	1	PPFPC14650	
					100mm	1	PPFPC14610	
		150mm	1		PPFPC14615			
		250mm	1	PPFPC14625				
			2,1mm	50mm	1	PPFPC22150		
				100mm	1	PPFPC22110		
		150mm		1	PPFPC22115			
		3,0mm	50mm	1	PPFPC23050			
			100mm	1	PPFPC23010			
			150mm	1	PPFPC23015			
		250mm	1	PPFPC23025				
			4,6mm	50mm	1	PPFPC24650		
				100mm	1	PPFPC24610		
		150mm		1	PPFPC24615			
		250mm	1	PPFPC24625				
			300A	1,7µm	2,1mm	50mm	1	PPFPT12150
						100mm	1	PPFPT12110
	150mm	1				PPFPT12115		
	3,0mm	50mm		1	PPFPT13050			
		100mm		1	PPFPT13010			
		150mm		1	PPFPT13015			
	250mm	1	PPFPT13025					
		2,1mm	50mm	1	PPFPT22150			
			100mm	1	PPFPT22110			
	150mm		1	PPFPT22115				
	3,0mm	50mm	1	PPFPT23050				
		100mm	1	PPFPT23010				
		150mm	1	PPFPT23015				
	250mm	1	PPFPT23025					
		1000A	1,7µm	2,1mm	50mm	1	PPFPM12150	
					100mm	1	PPFPM12110	
	150mm				1	PPFPM12115		
	3,0mm		50mm	1	PPFPM13050			
			100mm	1	PPFPM13010			
			150mm	1	PPFPM13015			
	250mm	1	PPFPM13025					
		2,1mm	50mm	1	PPFPM22150			
			100mm	1	PPFPM22110			
	150mm		1	PPFPM22115				
	3,0mm	50mm	1	PPFPM23050				
		100mm	1	PPFPM23010				
150mm		1	PPFPM23015					
250mm	1	PPFPM23025						

Stationary Phase PH

Phase	Pore Size	Particle Size	Inner Ø	Length	U.	Part Number	
PH	100A	1,7µm	2,1mm	50mm	1	P0PHC12150	
				100mm	1	P0PHC12110	
				150mm	1	P0PHC12115	
			3,0mm	50mm	1	P0PHC13050	
				100mm	1	P0PHC13010	
				150mm	1	P0PHC13015	
			250mm	1	P0PHC13025		
				4,6mm	50mm	1	P0PHC14650
					100mm	1	P0PHC14610
		150mm	1		P0PHC14615		
		250mm	1	P0PHC14625			
			2,1mm	50mm	1	P0PHC22150	
				100mm	1	P0PHC22110	
		150mm		1	P0PHC22115		
		2,6µm	3,0mm	50mm	1	P0PHC23050	
				100mm	1	P0PHC23010	
				150mm	1	P0PHC23015	
			250mm	1	P0PHC23025		
				4,6mm	50mm	1	P0PHC24650
					100mm	1	P0PHC24610
			150mm		1	P0PHC24615	
			250mm	1	P0PHC24625		
				1,7µm	2,1mm	50mm	1
		100mm				1	P0PHT12110
	150mm	1	P0PHT12115				
	3,0mm	50mm	1	P0PHT13050			
			100mm	1	P0PHT13010		
			150mm	1	P0PHT13015		
		250mm	1	P0PHT13025			
			2,1mm	50mm	1	P0PHT22150	
				100mm	1	P0PHT22110	
	150mm	1		P0PHT22115			
	2,6µm	3,0mm	50mm	1	P0PHT23050		
			100mm	1	P0PHT23010		
			150mm	1	P0PHT23015		
		250mm	1	P0PHT23025			
			1,7µm	2,1mm	50mm	1	P0PHM12150
					100mm	1	P0PHM12110
		150mm			1	P0PHM12115	
		3,0mm	50mm	1	P0PHM13050		
				100mm	1	P0PHM13010	
	150mm			1	P0PHM13015		
	250mm		1	P0PHM13025			
			2,1mm	50mm	1	P0PHM22150	
				100mm	1	P0PHM22110	
	150mm	1		P0PHM22115			
	2,6µm	3,0mm	50mm	1	P0PHM23050		
			100mm	1	P0PHM23010		
150mm			1	P0PHM23015			
250mm		1	P0PHM23025				

Stationary Phase PH+

Phase	Pore Size	Particle Size	Inner Ø	Length	U.	Part Number	
PH+	100A	1,7µm	2,1mm	50mm	1	PPHPC12150	
				100mm	1	PPHPC12110	
				150mm	1	PPHPC12115	
			3,0mm	50mm	1	PPHPC13050	
				100mm	1	PPHPC13010	
				150mm	1	PPHPC13015	
			250mm	1	PPHPC13025		
				4,6mm	50mm	1	PPHPC14650
					100mm	1	PPHPC14610
		150mm	1		PPHPC14615		
		250mm	1	PPHPC14625			
			2,1mm	50mm	1	PPHPC22150	
				100mm	1	PPHPC22110	
		150mm		1	PPHPC22115		
		2,6µm	3,0mm	50mm	1	PPHPC23050	
				100mm	1	PPHPC23010	
				150mm	1	PPHPC23015	
			250mm	1	PPHPC23025		
				4,6mm	50mm	1	PPHPC24650
					100mm	1	PPHPC24610
			150mm		1	PPHPC24615	
			250mm	1	PPHPC24625		
				1,7µm	2,1mm	50mm	1
		100mm				1	PPHPT12110
	150mm	1	PPHPT12115				
	3,0mm	50mm	1	PPHPT13050			
			100mm	1	PPHPT13010		
			150mm	1	PPHPT13015		
		250mm	1	PPHPT13025			
			2,1mm	50mm	1	PPHPT22150	
				100mm	1	PPHPT22110	
	150mm	1		PPHPT22115			
	2,6µm	3,0mm	50mm	1	PPHPT23050		
			100mm	1	PPHPT23010		
			150mm	1	PPHPT23015		
		250mm	1	PPHPT23025			
			1,7µm	2,1mm	50mm	1	PPHPM12150
					100mm	1	PPHPM12110
		150mm			1	PPHPM12115	
		3,0mm	50mm	1	PPHPM13050		
				100mm	1	PPHPM13010	
	150mm			1	PPHPM13015		
	250mm		1	PPHPM13025			
			2,1mm	50mm	1	PPHPM22150	
				100mm	1	PPHPM22110	
	150mm	1		PPHPM22115			
	2,6µm	3,0mm	50mm	1	PPHPM23050		
			100mm	1	PPHPM23010		
150mm			1	PPHPM23015			
250mm		1	PPHPM23025				

Guard cartridges, 5mm

Chemistry	Pore Size	Particle Size	Inner Ø	Pack	Scharlau ref		
BP	100A	2,6um	2,1mm	3	P0BPC221GC		
			3,0mm	3	P0BPC230GC		
			4,6mm	3	P0BPC246GC		
		1,7um	2,1mm	3	P0BPC121GC		
			3,0mm	3	P0BPC130GC		
			4,6mm	3	P0BPC146GC		
	300A	2,6um	2,1mm	3	P0BPT221GC		
			3,0mm	3	P0BPT230GC		
			2,1mm	3	P0BPT121GC		
		1,7um	3,0mm	3	P0BPT130GC		
			1000A	2,6um	2,1mm	3	P0BPM221GC
					3,0mm	3	P0BPM230GC
2,1mm	3	P0BPM121GC					
1,7um	3,0mm	3		P0BPM130GC			
	100A	2,6um		2,1mm	3	PC18C221GC	
				3,0mm	3	PC18C230GC	
4,6mm			3	PC18C246GC			
1,7um		2,1mm	3	PC18C121GC			
		3,0mm	3	PC18C130GC			
		4,6mm	3	PC18C146GC			
300A	2,6um	2,1mm	3	PC18T221GC			
		3,0mm	3	PC18T230GC			
		2,1mm	3	PC18T121GC			
	1,7um	3,0mm	3	PC18T130GC			
		1000A	2,6um	2,1mm	3	PC18M221GC	
				3,0mm	3	PC18M230GC	
2,1mm	3			PC18M121GC			
1,7um	3,0mm		3	PC18M130GC			
	100A		2,6um	2,1mm	3	P18PC221GC	
				3,0mm	3	P18PC230GC	
4,6mm		3		P18PC246GC			
1,7um		2,1mm	3	P18PC121GC			
		3,0mm	3	P18PC130GC			
		4,6mm	3	P18PC146GC			
300A	2,6um	2,1mm	3	P18PT221GC			
		3,0mm	3	P18PT230GC			
		2,1mm	3	P18PT121GC			
	1,7um	3,0mm	3	P18PT130GC			
		1000A	2,6um	2,1mm	3	P18PM221GC	
				3,0mm	3	P18PM230GC	
2,1mm	3			P18PM121GC			
1,7um	3,0mm		3	P18PM130GC			

Chemistry	Pore Size	Particle Size	Inner Ø	Pack	Scharlau ref		
C4	100A	2,6um	2,1mm	3	P0C4C221GC		
			3,0mm	3	P0C4C230GC		
			4,6mm	3	P0C4C246GC		
		1,7um	2,1mm	3	P0C4C121GC		
			3,0mm	3	P0C4C130GC		
			4,6mm	3	P0C4C146GC		
	300A	2,6um	2,1mm	3	P0C4T221GC		
			3,0mm	3	P0C4T230GC		
			2,1mm	3	P0C4T121GC		
		1,7um	3,0mm	3	P0C4T130GC		
			1000A	2,6um	2,1mm	3	P0C4M221GC
					3,0mm	3	P0C4M230GC
2,1mm	3	P0C4M121GC					
1,7um	3,0mm	3		P0C4M130GC			
	100A	2,6um		2,1mm	3	P0C8C221GC	
				3,0mm	3	P0C8C230GC	
4,6mm			3	P0C8C246GC			
1,7um		2,1mm	3	P0C8C121GC			
		3,0mm	3	P0C8C130GC			
		4,6mm	3	P0C8C146GC			
300A	2,6um	2,1mm	3	P0C8T221GC			
		3,0mm	3	P0C8T230GC			
		2,1mm	3	P0C8T121GC			
	1,7um	3,0mm	3	P0C8T130GC			
		1000A	2,6um	2,1mm	3	P0C8M221GC	
				3,0mm	3	P0C8M230GC	
2,1mm	3			P0C8M121GC			
1,7um	3,0mm		3	P0C8M130GC			
	100A		2,6um	2,1mm	3	P0CNC221GC	
				3,0mm	3	P0CNC230GC	
4,6mm		3		P0CNC246GC			
1,7um		2,1mm	3	P0CNC121GC			
		3,0mm	3	P0CNC130GC			
		4,6mm	3	P0CNC146GC			
300A	2,6um	2,1mm	3	P0CNT221GC			
		3,0mm	3	P0CNT230GC			
		2,1mm	3	P0CNT121GC			
	1,7um	3,0mm	3	P0CNT130GC			
		1000A	2,6um	2,1mm	3	P0CNM221GC	
				3,0mm	3	P0CNM230GC	
2,1mm	3			P0CNM121GC			
1,7um	3,0mm		3	P0CNM130GC			

Guard cartridges, 5mm

Chemistry	Pore Size	Particle Size	Inner Ø	Pack	Scharlau ref
PFP	100A	2,6um	2,1mm	3	PPFPC221GC
			3,0mm	3	PPFPC230GC
			4,6mm	3	PPFPC246GC
		1,7um	2,1mm	3	PPFPC121GC
			3,0mm	3	PPFPC130GC
			4,6mm	3	PPFPC146GC
	300A	2,6um	2,1mm	3	PPFPT221GC
			3,0mm	3	PPFPT230GC
		1,7um	2,1mm	3	PPFPT121GC
			3,0mm	3	PPFPT130GC
	1000A	2,6um	2,1mm	3	PPFPM221GC
			3,0mm	3	PPFPM230GC
		1,7um	2,1mm	3	PPFPM121GC
			3,0mm	3	PPFPM130GC
	PH	100A	2,6um	2,1mm	3
3,0mm				3	P0PHC230GC
4,6mm				3	P0PHC246GC
1,7um			2,1mm	3	P0PHC121GC
			3,0mm	3	P0PHC130GC
			4,6mm	3	P0PHC146GC
300A		2,6um	2,1mm	3	P0PHT221GC
			3,0mm	3	P0PHT230GC
		1,7um	2,1mm	3	P0PHT121GC
			3,0mm	3	P0PHT130GC
1000A		2,6um	2,1mm	3	P0PHM221GC
			3,0mm	3	P0PHM230GC
		1,7um	2,1mm	3	P0PHM121GC
			3,0mm	3	P0PHM130GC

Chemistry	Pore Size	Particle Size	Inner Ø	Pack	Scharlau ref
PH+	100A	2,6um	2,1mm	3	PPHPC221GC
			3,0mm	3	PPHPC230GC
			4,6mm	3	PPHPC246GC
		1,7um	2,1mm	3	PPHPC121GC
			3,0mm	3	PPHPC130GC
			4,6mm	3	PPHPC146GC
	300A	2,6um	2,1mm	3	PPHPT221GC
			3,0mm	3	PPHPT230GC
		1,7um	2,1mm	3	PPHPT121GC
			3,0mm	3	PPHPT130GC
	1000A	2,6um	2,1mm	3	PPHPM221GC
			3,0mm	3	PPHPM230GC
		1,7um	2,1mm	3	PPHPM121GC
			3,0mm	3	PPHPM130GC

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