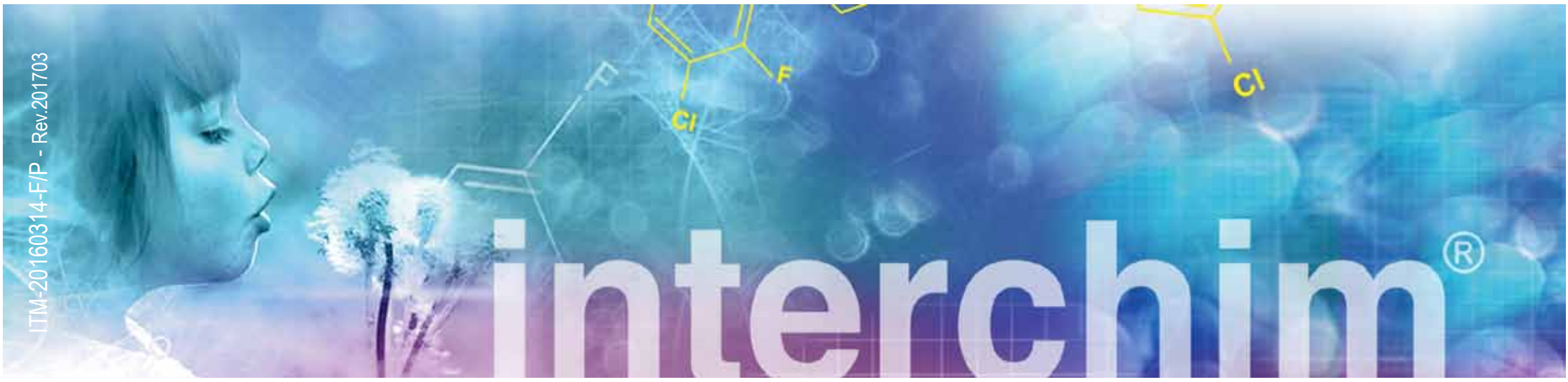

SELECTIVITY PURITY CAPACITY PRODUCTIVITY

Media selection requires consideration of sample volume, nature and concentration of the analyte and the inherent properties of the sorbent itself.
Polymer loading capacities are higher than silica , however, silica sorbents exhibit greater selectivity.

SILICAS:

Silica & bonded silica are rigid supports that do not shrink or swell with solvents. The silica surface can be easily modified, this creates a potential for a large selectivity for purification from hydrophobic to hydrophilic interactions. The pH stability of bonded silica is limited, typically to within the range of 2 to 7.5, this is chemistry dependant. Interchim offers more than 50 different silica based selectivities. Our sorbents take advantage of our ultra pure spherical silica, and this achieves greater reproducibility, and establishes optimized sample recoveries.

POLYMERS:

Polymer sorbents are very stable from pH 1 to 14, they exhibit high loading capacities allowing for the purification of a broad range of compounds. Our polymers have a very high specific surface area that maximizes pi-pi interactions. The capacity of our polymers are typically 15% greater than competitive polymers and 25% higher than silica. These polymers are particularly suited for polar compound purification. The polymer surface can be easily modified and facilitates a large selectivity range from hydrophobic to hydrophilic interactions.

PURIFLASH® ANALYTICAL-PREP & FLASH COLUMNS

Code	F0001	F0004	F0012	F0025	F0040	F0080	F0120	F0220	F0330	F0800	F1600
Ø int. (mm)	9	12	21	21	27	31	36	60	60	78	104
L (mm)	26	68	84	133	135	205	224	153	226	341	385
CV_0 (mL)	1.2	5	19	32	48	102	153	269	405	1 078	2 170
Flow rate - Typical (mL/min)	2.5	5	15	15	26	34	46	127	127	216	383
Flow rate - Range (mL/min)	1 - 10	5 - 20	15 - 50	15 - 50	20 - 70	30 -100	40 - 150	80 - 300	80 - 300	150 - 300	200 - 500

PREP COLUMNS

Dimensions	Flowrate	Porous volume 55%	Injection volume 1% loading
150 x 10 mm	3 ml/min	6.47	130 µl
250 x 10 mm	3 ml/min	10.79	210 µl
50 x 21.2 mm	16 ml/min	9.70	180 µl
100 x 21.2 mm	16 ml/min	19.40	380 µl
150 x 21.2 mm	16 ml/min	29.11	550 µl
250 x 21.2 mm	16 ml/min	48.51	900 µl
100 x 30 mm	32 ml/min	38.83	750 µl
50 x 30 mm	32 ml/min	19.36	350 µl
150 x 30 mm	32 ml/min	58.19	1 100 µl
250 x 30 mm	32 ml/min	97.02	1 800 µl
50 x 50 mm	89 ml/min	53.97	1 000 µl
250 x 50 mm	89 ml/min	269.84	5 000 µl

ANALYTICAL COLUMNS

Dimensions	Flowrate	Porous volume 55%	Injection volume 1% loading
50 x 4.6 mm	1 ml/min	0.46	5 µl
150 x 4.6 mm	1 ml/min	1.37	14 µl
250 x 4.6 mm	1 ml/min	2.284	23 µl

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interchim® 211 bis Av. J.F.Kennedy - BP 1140 03103 Montluçon - France www.interchim.com

Brand Name	Code	USP Code	Ø Pore	Surface area	1.7µm	2.0µm	2.2µm	2.6µm	3µm	3.5µm	5µm	10µm	15µm	20µm	30µm	50µm	µm	Analytical	Flash	Prep-LC	Bonding	Bonding type	Carbon content	End-Capping	pH range	Utilization mode
ANALYTICAL / PREP LC/ FLASH																										
Uptisphere® Strategy™	C18-3	L1	100 Å	425 m²/g					x		x	x	x					✓		✓	C18 - octadecyl	mono-functional	22.0%	Multi step	1.0 - 12	Reverse
Uptisphere® Strategy™	C18-HQ	L1	100 Å	425 m²/g	x		x		x		x	x	x					✓	✓	✓	C18 - octadecyl	mono-functional	19.0%	Multi step	1.0 - 10	Reverse
Uptisphere® Strategy™	C18-RP	L1	100 Å	425 m²/g			x		x		x	x	x					✓		✓	C18 - octadecyl	mono-functional	16.0%	Multi step Mixte	1.5 - 8.0	Reverse
Uptisphere® Strategy™	C12		100 Å	425 m²/g			x				x							✓		✓	C12 - dodecyl	mono-functional	16.0%	One step	1.5 - 8.0	Reverse
Uptisphere® Strategy™	PHC4	L11	100 Å	300 m²/g			x		x		x	x	x					✓	✓	✓	Phenyl - Butyl	mono-functional	12.0	One step	1.5 - 7.5	Reverse
Uptisphere® Strategy™	HILIC- HIT	L3	100 Å	425 m²/g			x		x		x	x	x					✓		✓	Proprietary	Proprietary		Proprietary	1.5 - 7.0	Hilic
Uptisphere® Strategy™	HILIC-HIA		100 Å	300 m²/g			x		x		x	x	x					✓	✓	✓	Proprietary	Proprietary		Proprietary	2.0 - 7.0	Hilic
Uptisphere® Strategy™	SI	L3	100 Å	425 m²/g			x		x		x	x						✓		✓	Ultra pure silica			none	1.5 - 7.0	Normal
ANALYTICAL / PREP LC																										
Uptisphere®	C18-NEC	L1	120 Å	320 m²/g			x		x		x	x	x					✓		✓	C18 - octadecyl	mono-functional	16.0%	none	1.5 - 6.5	Reverse
Uptisphere®	CN	L10	120 Å	320 m²/g					x		x	x	x					✓		✓	CN - cyano	mono-functional	8.0%	One step	2.0 - 7.0	Reverse / Normal
Uptisphere®	OH	L20	120 Å	320 m²/g							(x)							✓		✓	OH - diol	mono-functional	6.0%	none	1.5 - 6.5	Reverse / Normal
Uptisphere®	SI	L3	120 Å	320 m²/g					x		x							✓		✓	Ultra pure silica		5.0	none	1.5 - 6.5	Normal
Uptisphere®	NH2	L8	120 Å	320 m²/g			x		x		x							✓		✓	NH^2 - amino	mono-functional	5.0%	none	2.0 - 6.5	Reverse / Normal / Ion Exchange
DEV ANA /PREP LC / FLASH																										
puriFlash® Prep	C18-XS	L1	100 Å	300 m²/g							x	x	x		x			✓	✓	✓	C18 - octadecyl	mono-functional	17.0%	Multi-step	1.0 - 10.0	Reverse
puriFlash® Prep	C18-HP	L1	100 Å	300 m²/g							x	x	x		x	x		✓	✓	✓	C18 - octadecyl	mono-functional	16.5%	One-step	1.5 - 7.5	Reverse
puriFlash® Prep	C18-AQ	L1	100 Å	300 m²/g							x	x	x		x			✓	✓	✓	C18 - octadecyl	mono-functional	14.0%	Mixte	2.0 - 7.5	Reverse
puriFlash® Prep	RP-AQ	L7	60 Å	500 m²/g									x		x			✓	✓	✓	RP-alkyl	mono-functional	6.0%	Mixte	2.0 - 7.5	Reverse
puriFlash® Prep	Diol	L20	60 Å	500 m²/g							(x)	x	x		x	x		✓	✓	✓	Diol	mono-functional		none	1.5 - 6.5	Normal
puriFlash® Prep	SIHP	L3	60 Å	500 m²/g							x	x	x		x	x		✓	✓	✓	Silica, HP grade			none	1.5 - 6.5	Normal
puriFlash® Prep	NH2	L8	100 Å	300 m²/g							x	x	x		x	x		✓	✓	✓	NH_2 - amino	mono-functional	4.0%	One-step	2.0 - 6.5	Reverse / Normal / Ion Exchange
FLASH																										
puriFlash®	IR-C18	L1	60 Å	450 m²/g												(x)			✓		C18 - octadecyl	mono-functional	20.0%	One-step	1.5 - 7.0	Reverse
puriFlash®	MM1	L44	100 Å	400 m²/g												x			✓		RP/SCX	mono-functional		One-step	1.0 - 7.5	Reverse / Ion Exchange
puriFlash®	CN	L10	60 Å	500 m²/g									x			x			✓		CN - cyano	mono-functional	5.0%	One-step	1.5 - 7.5	Reverse / normal
puriFlash®	SIHC	L3	60 Å	680 m²/g									x		(x)	x			✓		Silica, HC grade			none	1.5 - 6.5	Normal
puriFlash®	IR-SI	L3	60 Å	450 m²/g										(x)		(x)			✓		Irregular silica			none	1.5 - 6.5	Normal
puriFlash®	SI-AGNO3		60 Å	500 m²/g												x			✓		Silica, $AgNO_3$ coated			none	1.5 - 6.5	
puriFlash®	NH2HC	L8	60 Å	680 m²/g												x			✓		NH2 - amino	poly-functional	4.0%	none	1.5 - 6.5	Reverse / Normal / Ion Exchange
puriFlash®	SCX	L50	100 Å	400 m²/g												x			✓		Strong Cation Exchanger	mono-functional		none	1.0 - 7.5	Ion Exchange
puriFlash®	SAX	L14	60 Å	500 m²/g												x			✓		Strong Anion Exchanger	mono-functional		none	1.0 - 7.5	Ion Exchange
puriFlash®	X		100 Å	800 m²/g													40		✓		PSDVB			none	1.0 - 13	Reverse
puriFlash®	P6		60 Å														100		✓		Polyamide-6			none		
puriFlash®	ALN		60 Å	200 m²/g													32/63		✓		Activated, Neutral Alumina			none		
puriFlash®	ALB		60 Å	200 m²/g													32/63		✓		Activated, Basic Alumina			none		
puriFlash®	AC																420/840		✓		Activated Carbon			none		
Daicel®	IA																20		✓		Amylose tris (3,5-dimethylphenylcarbamate)			none		
Daicel®	IC																20		✓		Cellulose tris (3,5-dichlorophenylcarbamate)			none		
Daicel®	ID																20		✓		Amylose Tris (3-Chlorophenylcarbamate)			none		
Daicel®	OD-I																20		✓		Cellulose tris (3,5-dimethylphenylcarbamate)			none		
BIO-CHROMATOGRAPHY																										
OLIGONUCLEOTIDES & PEPTIDES ANALYSIS & PURIFICATION																										
puriFlash® Bio 100	C18-N	L1	100 Å	320 m²/g	x		x	x	x	x	x							✓	✓	✓	C18 - octadecyl	mono-functional	15.5%	none	1.5 - 8.0	Reverse
puriFlash® Bio 100	C18-T	L1	100 Å	320 m²/g	x		x	x	x	x	x							✓	✓	✓	C18 - octadecyl	tri-functional	17.0%	One-step	1.5 - 8.0	Reverse
puriFlash® Bio 100	C18-XS	L1	100 Å	320 m²/g	x		x	x	x	x	x							✓	✓	✓	C18 - octadecyl	mono-functional	17.0%	Multi-step	1.0 - 10.0	Reverse
puriFlash® Bio 200	C18-N	L1	100 Å	320 m²/g	x		x	x	x	x	x							✓	✓	✓	C18 - octadecyl	mono-functional	7.0%	none	1.5 - 8.0	Reverse
puriFlash® Bio 200	C18-T	L1	200 Å	200 m²/g	x		x	x	x	x	x							✓	✓	✓	C18 - octadecyl	tri-functional	11.0%	One-step	1.5 - 8.0	Reverse
puriFlash® Bio 200	C18-XS	L1	200 Å	200 m²/g	x		x	x	x	x	x							✓	✓	✓	C18 - octadecyl	mono-functional	11.0%	Multi-step	1.0 - 10.0	Reverse
puriFlash® Bio 200	C8-N	L7	200 Å	200 m²/g	x		x	x	x	x	x							✓	✓	✓	C8 - octyl	mono-functional	5.0%	none	1.5 - 8.0	Reverse
puriFlash® Bio 300	C4-AQ	L26	300 Å	100 m²/g	x		x	x	x	x	x							✓	✓	✓	C4 - butyl	mono-functional	3.0%	Mixte	1.5 - 8.0	Reverse
puriFlash® Bio 200	RPNH		200 Å	200 m²/g	x		x	x	x	x	x							✓	✓	✓	RP - Alkyl chain / Amines	mono-functional	4.0%	none	1.5 - 8.0	Reverse / Ion Exchange
puriFlash® Bio 300	RPNH		300 Å	100 m²/g	x		x	x	x	x	x							✓	✓	✓	RP - Alkyl chain / Amines	mono-functional	2.0%	none	1.5 - 8.0	Reverse / Ion Exchange
puriFlash® Bio 200	RP		200 Å	200 m²/g													45		✓		RP - Alkyl chain	mono-functional	5.0%	Mixte	1.5 - 8.0	Reverse
puriFlash® Bio 300	RPT		300 Å	100 m²/g												x			✓		RP - Alkyl chain	tri-functional	3.0%	One-step	1.5 - 8.0	Reverse
puriFlash® PT	C18-AQ	L1	200 Å	150 m²/g									x					✓	✓	✓	C18 - octadecyl	mono-functional	12.0%	Mixte	1.5 - 8	Reverse
puriFlash® PT	C8	L7	200 Å	150 m²/g									x					✓	✓	✓	C8 - octyl	mono-functional	5.0%	One step	1.5 - 8	Reverse
puriFlash® PT	C4	L26	200 Å	150 m²/g									x					✓	✓	✓	C4 - butyl	mono-functional	3.0%	One step	1.5 - 8	Reverse
puriFlash® PP	C18	L1	300 Å	100 m²/g									x					✓	✓	✓	C18 - octadecyl	mono-functional	10.0%	One step	1.5 - 8	Reverse
puriFlash® PP	C4	L26	300 Å	100 m²/g									x					✓	✓	✓	C4 - butyl	mono-functional	3.0%	One step	1.5 - 8	Reverse