

PURIFLASH[®]

Ultra Performance Flash Purification™



- 500% HIGHER LOADING
- USE SMALLER COLUMNS
- 70% LESS SOLVENT

PuriFlash HC Silica Columns

Interchim uses spherical shaped particles instead of conventional flash media (irregular shaped 40-63 μ). Spherical silica provides 500% higher loading with 70% less solvent and reduces collection volume by 300%

PuriFlash HC columns contain a new advanced silica technology based on ultra-high surface area spherical silica. In this example a 25 gram puriFlash column purified the same amount of sample loaded on a conventional 40 gram column. For higher loading and increased resolution the 25 μ and 15 μ columns are recommended. The smaller particle sizes increase resolution and provide up to 5 times the loading compared to conventional flash columns.



40g Conventional Flash	25g PuriFlash	
<p>40-60μ</p> <p>Conventional flash columns contain irregular shaped particles</p>	<p>PuriFlash columns contain spherical silica</p> <ul style="list-style-type: none"> • 500% higher loading • 70% less solvent • 300% less collection volume 	
<p>Sample Load: 1.0g / 2.5% 40g Conventional Flash</p>	<p>Sample Load: 1.0g / 4% 25g PuriFlash HC 50μ</p> <p>30% Less Solvent</p>	<p>Sample Load 1.5g / 6% 25g PuriFlash HC 25μ</p> <p>50% Less Solvent</p>
<p>Sample Load 1.25g / 3% Partial Purity</p>	<p>Sample Load 1.25g / 5% Partial Purity</p>	<p>Sample Load 3.0g / 12% 25g PuriFlash HC 15μ</p> <p>68% Less Solvent</p>

100% Purity

Column	Sample Load	Tubes	Collected Volume	Solvent Consumed
40g Conventional	1.0 g	11	263 ml	480 ml
25g PuriFlash HC50	1.0 g	7	144 ml	340 ml
25g PuriFlash HC25	1.5 g	9	199 ml	360 ml
25g PuriFlash HC15	3.0 g	17	367 ml	460 ml

Partial Purity / Overload Condition

Column	Sample Load	Tubes	Collected Volume	Solvent Consumed
40g Conventional	1.25 g	13	298 ml	540 ml
PuriFlash HC50	1.25 g	8	186 ml	360 ml

Test Conditions
 Sample: 500 mg/ml dibutyl and diethyl phthalate
 UV: 254 nm
 Tube volume: 25 ml
 Flow rate: 20 ml/min
 Solvents: A: Heptane B: EtOAc
 Gradient: 0 - 7 CV 5% B, 7 - 13 CV 5 - 8% B
 % Loading: Sample / silica (w/w)

Solvent savings and higher loading based on purifying the equivalent amount of sample on a conventional flash column.

THE NEXT TIME YOU REACH FOR A 40g FLASH COLUMN, USE A **PURIFLASH 25g** AND GET **500%** HIGHER LOADING!

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Silica Grade	Particle size	Suggested Use
50SIHC	50µ	Every Day Use, High Capacity
25SIHC	25µ	When you need a little <i>Oomph</i> **
15SIHC	15µ	Guaranteed Separation

** *Oomph*: vigor, liveliness, get up and go.

Part Number	puriFlash Column Evaluation Kits	Price
PF-50SIHCCKA	PuriFlash Column Kit, 50µ Si HC, 4 EACH; 4G, 12G, 25G, 40G	135
PF-50SIHCCKB	PuriFlash Column Kit, 50µ Si HC 2 EACH; 80G, 120G, 200G, 300G	395
PF-25SIHCCKA	PuriFlash Column Kit, 25µ Si HC, 4 EACH; 4G, 12G, 25G, 40G	195
PF-25SIHCCKB	PuriFlash Column Kit, 25µ Si HC, 2 EACH; 80G, 120G, 200G, 300G	675
PF-15SIHCCKA	PuriFlash Column Kit, 15µ Si HC, 4 EACH; 4G, 12G, 25G, 40G	325
PF-15SIHCCKB	PuriFlash Column Kit, 15µ Si HC, 1 EACH; 80G, 120G, 200G, 300G	625

Grams	Unit	50µ puriFlash HC Si	Price	25µ puriFlash HC Si	Price	Grams	Unit	15µ puriFlash HC Si	Price
4	40/PK	PF-50SIHC/4G	275	PF-25SIHC/4G	370	4	20/PK	PF-15SIHC/4G	220
12	30/PK	PF-50SIHC/12G	305	PF-25SIHC/12G	385	12	20/PK	PF-15SIHC/12G	530
25	25/PK	PF-50SIHC/25G	320	PF-25SIHC/25G	495	25	12/PK	PF-15SIHC/25G	485
40	20/PK	PF-50SIHC/40G	320	PF-25SIHC/40G	530	40	12/PK	PF-15SIHC/40G	715
80	10/PK	PF-50SIHC/80G	335	PF-25SIHC/80G	415	80	4/PK	PF-15SIHC/80G	505
120	8/PK	PF-50SIHC/120G	370	PF-25SIHC/120G	450	120	4/PK	PF-15SIHC/120G	725
200	4/PK	PF-50SIHC/200G	310	PF-25SIHC/200G	400	200	2/PK	PF-15SIHC/200G	620
300	4/PK	PF-50SIHC/300G	425	PF-25SIHC/300G	635	300	2/PK	PF-15SIHC/300G	775
800	EA	PF-50SIHC/800G	260	PF-25SIHC/800G	445	800	EA	PF-15SIHC/800G	1225
1600	EA	PF-50SIHC/1600G	530	PF-25SIHC/1600G	785	1600	EA	PF-15SIHC/1600G	2350
1000	KG	PF-50SIHC-KG	160	PF-25SIHC-KG	295	1000	KG	PF-15SIHC/KG	975

PURIFICATION INSTRUMENTATION FOR ALL

Interchim offers the most comprehensive range of instruments from flash to preparative HPLC.

- HPLC pumps for reliability
- Detection with UV, ELSD
- Same software for Flash & HPLC



Flash, Evo series
150 ml/min, 150 PSI
200 ml/min, 435 PSI
250 ml/min, 750 PSI
800 ml/min, 150 PSI
19 x 17 x 26"

Prep HPLC, Spot II
50 ml/min, 4350 PSI
250 ml/min, 3300 PSI
500 ml/min, 1600 PSI
24 x 23 x 26"



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