Take the Fast Lane to a Greater ROI

New Agilent InfinityLab Poroshell 120 preparative LC columns

See how superficially porous particle technology (SPP) can more than double your return on investment (ROI)

Agilent InfinityLab

Packed with 4 µm superficially porous particles, Agilent InfinityLab Poroshell 120 preparative LC columns provide the high-resolution separations you need to purify complex samples. They also increase throughput by maintaining this performance at higher flow rates.

The benefits don't stop there. You can load three times more sample onto an InfinityLab Poroshell 120 preparative LC column, compared to a similarly sized totally porous particle (TPP) column. That can add up to substantial cost savings over TPP columns—even columns with a wider internal diameter.

	Agilent InfinityLab Poroshell SPP Column (21.2 mm ID)	Waters TPP Column (19 mm ID)	Waters TPP Column (30 mm ID)
Number of injections per campaign of 1000 samples	X 1000	X 1000	X 1000
Total time invested			
Total lab costs per campaign			
Total consumables cost per campaign			
Total purification cost per campaign	$	$$$	$$

Compared to Waters TPP column (19 mm ID), Agilent InfinityLab Poroshell 120 SPP column (21.2 mm ID) provides:

64% cost savings + 77% time savings = 7x ROI

Compared to Waters TPP column (30 mm ID), Agilent InfinityLab Poroshell 120 SPP column (21.2 mm ID) provides:

42% cost savings = 2x ROI

Go faster. Load more. Reduce costs.

Want the full story? Download our ROI white paper:
https://explore.agilent.com/prep-lc

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Trusted Answers

Ordering Information

Reliably scale from analytical HPLC and UHPLC to laboratory preparative scale with proven Agilent chemistries.

Columns specifications

	When to Use	
	Best for low-pH mobile phases	Best for high-pH mobile phases
Phase	SB-C18	HPH-C18
Pore Size	120 Å	100 Å
Temerature Limits	90 °C	60 °C
pH Range	1.0–8.0	2.0–11.0
Encapped	No	Double
Carbon Load	9%	Proprietary
Surface Area	130 m^2/g	95 m^2/g
Pressure Limit	400 bar (6,000 psi)	400 bar (6,000 psi)

Agilent InfinityLab Poroshell 120 preparative LC columns

Preparative scale columns

Particle Size	Dimension (MM ID vs L)	SB-C18	HPH-C18
4 µm	21.1 x 50	670050-902	670050-702
	21.1 x 150	670150-902	670150-702

Analytical Scale Columns

1.9 µm	2.1 x 30		695775-502
	2.1 x 50	689675-902	699675-702
	2.1 x 100	685675-902	695675-702
	2.1 x 150	683675-902	693675-702
	3.0 x 30		691775-502
	3.0 x 50	689675-302	699675-502
	3.0 x 100	685675-302	695675-502
	3.0 x 150	683675-302	693675-502
2.7 µm	2.1 x 30	681775-902	
	2.1 x 50	689775-906	699775-702
	2.1 x 100	685775-906	695775-702
	2.1 x 150	683775-906	693775-702
	3.0 x 30	681975-302	
	3.0 x 50	689975-306	699975-502
	3.0 x 100	685975-306	695975-502
	3.0 x 150	683975-306	693975-502
	4.6 x 30	681975-902	
	4.6 x 50	689975-906	699975-702
	4.6 x 100	685975-906	695975-702
	4.6 x 150	683975-906	693975-702
4 µm	2.1 x 50	689770-902	699770-702
	2.1 x 100	685770-902	695770-702
	2.1 x 150	683770-902	693770-702
	2.1 x 250	640750-902	690770-702
	3.0 x 50	689970-302	699970-502
	3.0 x 100	685970-302	695970-502
	3.0 x 150	683970-302	693970-502
	3.0 x 250	680970-302	690970-502
	4.6 x 50	689970-902	699970-702
	4.6 x 100	685970-902	695970-702
	4.6 x 150	683970-902	693970-702
	4.6 x 250	680970-902	690970-702

Learn more at
www.agilent.com/chem/prepcolumns

DE30981277

Published in the USA, February 25, 2022
5994-4612EN

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