Scale up to the Fast Lane

New Agilent InfinityLab Poroshell 120 preparative LC columns

Save time from analytical to preparative with superficially porous particle technology

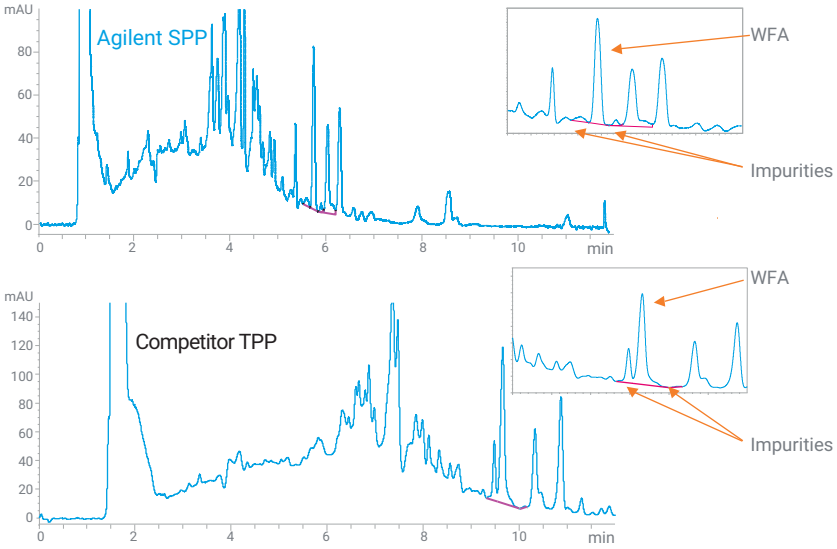
Agilent InfinityLab

Is your purification lab sacrificing speed to find confident answers to research questions? InfinityLab Poroshell 120 preparative LC columns let you maximize resolution while improving sample throughput.

Packed with 4 µm superficially porous particles, our columns provide the high-resolution separations you need to purify your complex samples.

What's more, they increase your throughput by maintaining this performance at higher flow rates—saving you time from the analytical stages, throughto the preparative. This means you can successfully complete your purification goals faster, and increase lab productivity.

Separation of Withaferin A (WFA) from Ashwagandha extract



Conditions

Instrument:	Agilent 1290 Infinity II autoscale preparative LC system
Sample:	Ashwagandha extract in 2:1 ethanol:water, 100 mg/mL
Mobile phase:	A: Water + 0.1% formic acid B: Acetonitrile + 0.1% formic acid
Injection volume:	1 mL filtered extract
Column 1:	InfinityLab Poroshell 120 SB-C18 21.2 x 150 mm, 4 µm
Column 2:	Competitor C18 19 x 150 mm, 5 µm
Agilent run conditions	
Flow rate: Gradient:	37.5 mL/min 5 to 95% B in 10 min
Competitor run conditions	
Flow rate: Gradient:	17 mL/min 5 to 95% B in 18 min

The Agilent InfinityLab Poroshell 120 SB-C18 column provides superior resolution and baseline separation with the adjacent impurities, and maintains high resolution even when pushed to a flow rate of 1.5 times higher than optimal. This enables a 45% time savings with high resolution separations.

Learn more at **www.agilent.com/chem/lc-prep-5994-3518**

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Ordering information

Agilent InfinityLab Poroshell 120 preparative LC columns specifications

When to Use	Phase	Pore Size	Temperature Limits	pH Range	Endcapped	Carbon Load	Surface Area	Pressure Limit
Best for low-pH mobile phases	SB-C18	120 Å	90 °C	1.0–8.0	No	9%	130 m2/g	400 bar (6,000 psi)
Best for high-pH mobile phases	HPH-C18	100 Å	60 °C	2.0–11.0	Double	Proprietary	95 m2/g	400 bar (6,000 psi)

Agilent InfinityLab Poroshell 120 preparative LC columns

Description	Part Number
InfinityLab Poroshell 120 SB-C18, 21.2 x 50 mm, 4 µm	670050-902
InfinityLab Poroshell 120 SB-C18, 21.2 x 150 mm, 4 µm	670150-902
InfinityLab Poroshell 120 HPH-C18, 21.2 x 50 mm, 4 µm	670050-702
InfinityLab Poroshell 120 HPH-C18, 21.2 x 150 mm, 4 µm	670150-702

Agilent InfinityLab preparative LC supplies

Description	Part Number
Semiprep filter, 0.5 µm, 12.7 mm id, 1–5 mL/min (replacement frit: 5022-2185)	5064-8273
High pressure semiprep filter, 10 µm, 19 mm id, 5–10 mL/min (replacement frit 10/pk: 5022-2166)	5022-2165
Stay Safe cap GL45 with 1 port for prep LC, 1 vent valve (5043-1190), and 1 fitting, 4.7 mm	5043-1333
Stay Safe cap GL45 with 2 ports for prep LC, 1 vent valve (5043-1190), and 2 fittings, both 4.7 mm	5043-1334
InfinityLab thread adapter, PTFE, GL45(M) to GPI 38(F), for InfinityLab Stay Safe cap	5043-1192
Stay Safe cap S60 with 4 ports for waste can, including 1 leak hose, and 4 fittings: 3.2 mm (2), 2.3 mm (1), 1.6 mm (1)	5043-1336
10-liter waste can with S60 thread	5043-1337
Kit consisting of 10-liter waste can and S60 Stay Safe cap for waste	5043-1338
Charcoal filter (not included in Stay Safe cap for waste, should be ordered separately)	5043-1193
Delay and checkout calibrant, for Agilent purification systems	5190-8223

Ready to order? Find your column.
www.agilent.com/chem/prepcolumns

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