

Perform fast, high-efficiency chiral separations like never before

Agilent InfinityLab Poroshell 120 Chiral columns



Now you don't have to compromise on your chiral separations. InfinityLab Poroshell 120 Chiral columns combine superficially porous particles with innovative chiral stationary phases to deliver:

- Higher performance and speed, using 2.7 μm Poroshell particles, compared to totally porous chiral stationary phases
- Ruggedness and reliability with proven Agilent Poroshell 120 particle technology
- Sizes to suit any application: 2.1 and 4.6 mm ID configurations in 50, 100 and 150 mm lengths
- Fast run times, superior peak shape, and high resolution
- Increased throughput and lab productivity with more efficient chiral separations



Run more samples in less time on your existing LC systems

Learn more about InfinityLab Poroshell 120 Chiral columns.

www.agilent.com/chem/poroshell-120-chiral

Separate nearly any chiral compound:

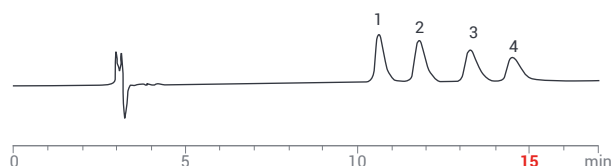
Four chemistries across four different LC modes offer a wide range of selectivities

Column Chemistry	Chiral Selector (bonded chemistry)	Typical LC Mode	Typical Applications
InfinityLab Poroshell 120 Chiral-CF	Derivatized cyclofructan (CF6)	Polar Organic	Primary amines
		Normal Phase	Primary amines
InfinityLab Poroshell 120 Chiral-CD	Hydroxypropylated- β -cyclodextrin	Reversed Phase	Stimulants, fungicides, t-boc amino acids
		Polar Organic	Complex molecules
InfinityLab Poroshell 120 Chiral-V	Vancomycin (macrolide antibiotic)	Polar Ionic	Basic pharmaceuticals
		Reversed Phase	Amines, profens
		Polar Organic	Complex neutral molecules
InfinityLab Poroshell 120 Chiral-T	Teicoplanin (macrolide antibiotic)	Polar Ionic	Beta blockers, hydroxyl acids
		Reversed Phase	Amino acids, hydroxyl acids, profens
		Polar Organic	Hydantoins, benzodiazepines

Perform chiral separations in less than 5 minutes using your existing LC systems

Traditional Chiral Separation— totally porous particle

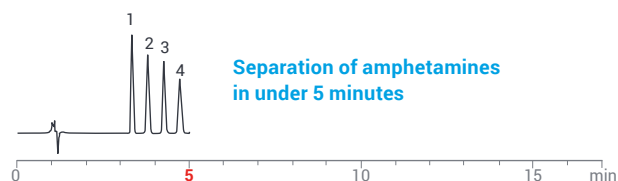
Chirobiotic V2 (250 x 4.6 mm, 5 µm)



1. D-(+)-Amphetamine, 2. L-(-)-Amphetamine, 3. D-(+)-Methamphetamine
4. L-(-)-Methamphetamine 100/0.1/0.02, MeOH/HOAc/NH₄OH with a 1.0 mL/min flow rate at room temperature and UV at 220 nm

Agilent InfinityLab Poroshell 120 Chiral Separation— superficially porous particle

InfinityLab Poroshell 120 Chiral-V (100 x 4.6 mm, 2.7 µm)



1. D-(+)-Amphetamine, 2. L-(-)-Amphetamine, 3. D-(+)-Methamphetamine
4. L-(-)-Methamphetamine 100/0.1/0.02, MeOH/HOAc/NH₄OH with a 1.0 mL/min flow rate at room temperature and UV at 220 nm

Ordering Information

Column description	Part number
InfinityLab Poroshell 120 Chiral-CF, 2.1 x 50 mm, 2.7 µm	689775-609
InfinityLab Poroshell 120 Chiral-CF, 2.1 x 100 mm, 2.7 µm	685775-609
InfinityLab Poroshell 120 Chiral-CF, 2.1 x 150 mm, 2.7 µm	683775-609
InfinityLab Poroshell 120 Chiral-CF, 4.6 x 50 mm, 2.7 µm	689975-609
InfinityLab Poroshell 120 Chiral-CF, 4.6 x 100 mm, 2.7 µm	685975-609
InfinityLab Poroshell 120 Chiral-CF, 4.6 x 150 mm, 2.7 µm	683975-609
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InfinityLab Poroshell 120 Chiral-CD, 2.1 x 50 mm, 2.7 µm	689775-607
InfinityLab Poroshell 120 Chiral-CD, 2.1 x 100 mm, 2.7 µm	685775-607
InfinityLab Poroshell 120 Chiral-CD, 2.1 x 150 mm, 2.7 µm	683775-607
InfinityLab Poroshell 120 Chiral-CD, 4.6 x 50 mm, 2.7 µm	689975-607
InfinityLab Poroshell 120 Chiral-CD, 4.6 x 100 mm, 2.7 µm	685975-607
InfinityLab Poroshell 120 Chiral-CD, 4.6 x 150 mm, 2.7 µm	683975-607

Column description	Part number
InfinityLab Poroshell 120 Chiral-V, 2.1 x 50 mm, 2.7 µm	689775-604
InfinityLab Poroshell 120 Chiral-V, 2.1 x 100 mm, 2.7 µm	685775-604
InfinityLab Poroshell 120 Chiral-V, 2.1 x 150 mm, 2.7 µm	683775-604
InfinityLab Poroshell 120 Chiral-V, 4.6 x 50 mm, 2.7 µm	689975-604
InfinityLab Poroshell 120 Chiral-V, 4.6 x 100 mm, 2.7 µm	685975-604
InfinityLab Poroshell 120 Chiral-V, 4.6 x 150 mm, 2.7 µm	683975-604
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InfinityLab Poroshell 120 Chiral-T, 2.1 x 50 mm, 2.7 µm	689775-603
InfinityLab Poroshell 120 Chiral-T, 2.1 x 100 mm, 2.7 µm	685775-603
InfinityLab Poroshell 120 Chiral-T, 2.1 x 150 mm, 2.7 µm	683775-603
InfinityLab Poroshell 120 Chiral-T, 4.6 x 50 mm, 2.7 µm	689975-603
InfinityLab Poroshell 120 Chiral-T, 4.6 x 100 mm, 2.7 µm	685975-603
InfinityLab Poroshell 120 Chiral-T, 4.6 x 150 mm, 2.7 µm	683975-603



Agilent InfinityLab is an optimized portfolio of LC instruments, columns, and supplies designed to work together in perfect harmony. Combined with Agilent OpenLAB software and Agilent CrossLab Services, Agilent InfinityLab provides you with end-to-end support to make every day more productive.

Find more information at www.agilent.com/chem/infinitylab

Learn more about detecting enantiomers quickly
when time is short

www.agilent.com/chem/poroshell-120-chiral

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