

AGILENT HPLC COLUMNS NAVIGATOR

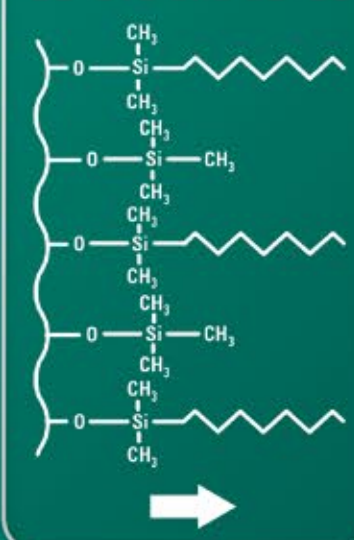
SMALL MOLECULE APPLICATIONS FOR PHARMA

START HERE WITH

Poroshell 120 EC-C18
for Fast LC performance
on any HPLC

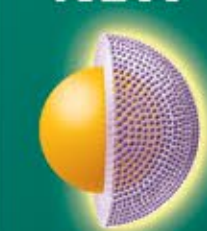
Up to 50% less pressure than sub-2 µm;
a total lab productivity enhancer

EC-C18 and EC-C8



HIGH pH

NEW

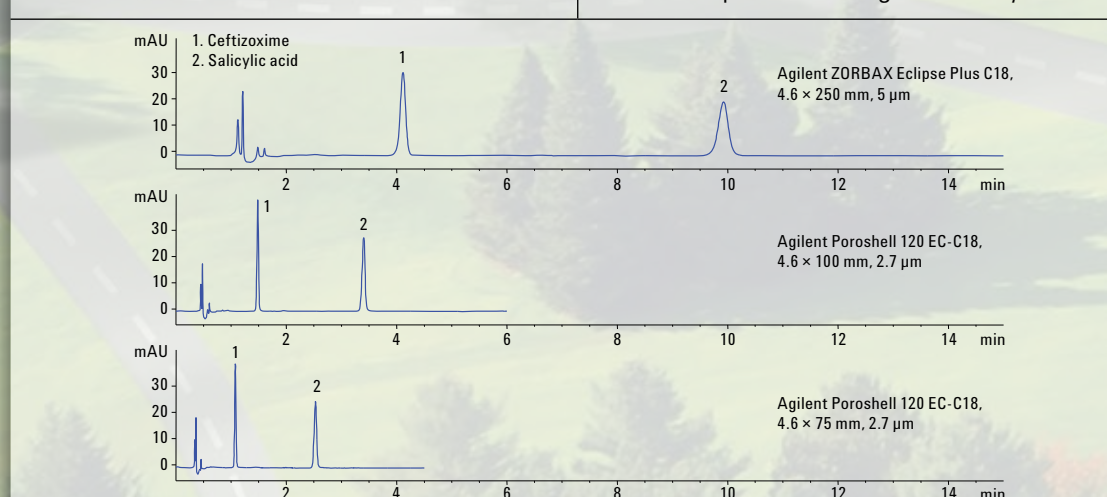


**POROSHELL
HPH**

Best all around – peak shape, efficiency, resolution, and lifetime

Poroshell 120	ZORBAX Eclipse Plus
EC-C18 (USP L1)	C18 (USP L1)
EC-C8 (USP L7)	C8 (USP L7)
	PAH (USP L1)

Configurations	
Particle size: 2.7 µm, stable to 600 bar Lengths: 30-150 mm id: 4.6, 3.0, 2.1 mm Works on all instruments	Particle sizes: 5, 3.5, 1.8 µm, RRHD stable to 1200 bar*, RRHT stable to 600 bar Lengths: 30-250 mm id: 4.6, 3.0, 2.1, 1.0 mm; Prep * Also compatible with Agilent Infinity II LC



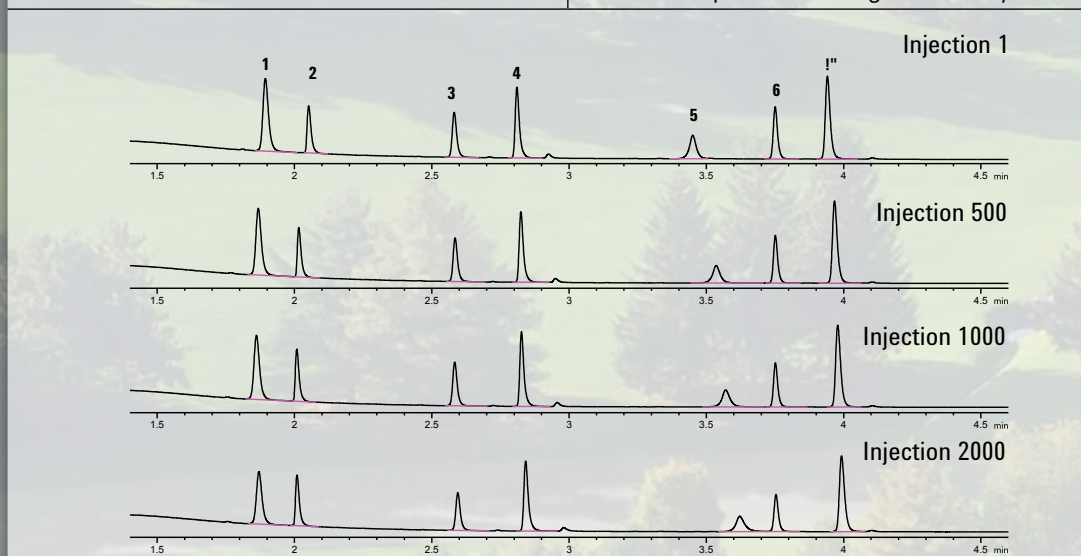
Methods transfer readily between conventional ZORBAX and Poroshell 120 chemistries, for dramatic time savings, as demonstrated here with this USP method for cefazolin. For full details, see Application Note 5991-3717EN.

High performance and excellent peak shape with acids, bases, and neutrals.

Best option for separations at high pH

Poroshell HPH	ZORBAX Extend-C18
HPH-C18 (USP L1)	C18 (USP L1)
HPH-C8 (USP L7)	

Configurations	
Particle size: 2.7 µm, stable to 600 bar Lengths: 50-150 mm id: 4.6, 3.0, 2.1 mm Works on all instruments	Particle sizes: 7, 5, 3.5, 1.8 µm, RRHD stable to 1200 bar*, RRHT stable to 600 bar Lengths: 20-250 mm id: 4.6, 3.0, 2.1, 1.0 mm * Also compatible with Agilent Infinity II LC



The chemically modified bonding on Poroshell HPH makes it more stable for high pH conditions.

High efficiency and long life at high pH – up to pH 11.5. Improve retention, resolution, and peak shape of basic compounds. High sensitivity for LC/MS separations of peptides. Unique bidentate bonding and double-endcapping provides high pH stability.

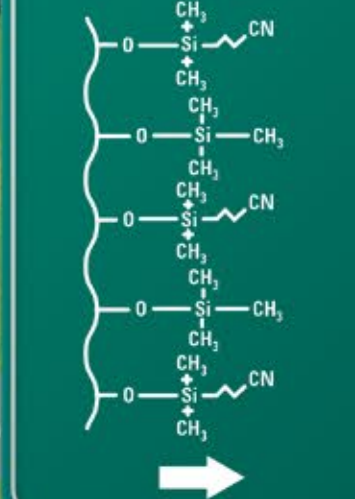
High performance over a wide pH range, based on Eclipse XDB

Poroshell 120	ZORBAX Eclipse XDB
EC-CN (USP L10)	C18 (USP L1)
	C8 (USP L7)
	Phenyl (USP L11)
	CN (USP L10)

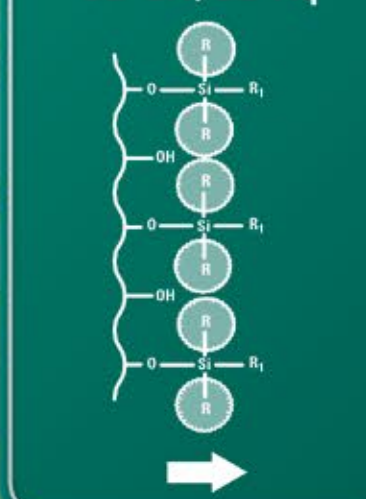
Configurations	
Particle size: 2.7 µm, stable to 600 bar Lengths: 50-150 mm id: 4.6, 3.0, 2.1 mm Works on all instruments	Particle sizes: 7, 5, 3.5, 1.8 µm, RRHD stable to 1200 bar*, RRHT stable to 600 bar Lengths: 15-250 mm id: 3.0, 2.1, 1.0 mm; Prep * Also compatible with Agilent Infinity II LC

Good peak shape for basic, acidic, and neutral compounds with high performance over a wide pH range (pH 2-9).

ZORBAX C18, C8, Phenyl, CN



ZORBAX StableBond SB-C18, SB-C8, SB-C3, SB-Phenyl, SB-CN, SB-Aq



Exceptional peak shape that takes advantage of pi-pi interactions

Poroshell 120	ZORBAX Eclipse Plus
Phenyl-Hexyl (USP L11)	Phenyl-Hexyl (USP L11)

Configurations	
Particle size: 2.7 µm, stable to 600 bar Lengths: 50-150 mm id: 4.6, 3.0, 2.1 mm Works on all instruments	Particle sizes: 5, 3.5, 1.8 µm, RRHD stable to 1200 bar*, RRHT stable to 600 bar Lengths: 30-250 mm id: 4.6, 3.0, 2.1 mm * Also compatible with Agilent Infinity II LC

High performance and excellent peak shape with acids, bases, and neutrals.

HILIC columns for highly polar compounds

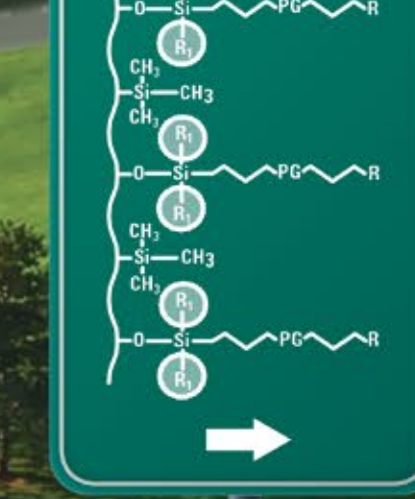
High sensitivity for LC/MS applications and recommended for EPA 1694

Poroshell 120	ZORBAX HILIC
HILIC	ZORBAX HILIC Plus

Configurations	
Particle size: 2.7 µm, stable to 600 bar Lengths: 50-150 mm id: 4.6, 3.0, 2.1 mm Works on all instruments	Particle sizes: 3.5, 1.8 µm, RRHD stable to 1200 bar*, RRHT stable to 600 bar Lengths: 50-150 mm id: 4.6 (3.5 µm only), 3.0, 2.1 mm * Also compatible with Agilent Infinity II LC

HILIC Plus is a HILIC column based on Eclipse Plus silica for excellent peak shapes.

ZORBAX Bonus-RP



Alternative selectivity to alkyl, phenyl, cyano phases

Poroshell 120	ZORBAX Bonus-RP
PFP (USP L43)	Bonus-RP (USP L60)

Configurations	
Particle size: 2.7 µm, stable to 600 bar Lengths: 50-150 mm id: 4.6, 3.0, 2.1 mm Works on all instruments	Particle sizes: 7, 5, 3.5, 1.8 µm, RRHD stable to 1200 bar*, RRHT stable to 600 bar Lengths: 30-250 mm id: 4.6, 3.0, 2.1, 1.0 mm; Prep * Also compatible with Agilent Infinity II LC

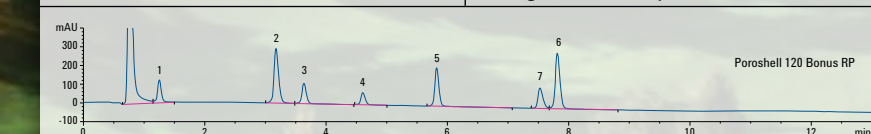
Polar-embedded to improve peak shapes; for basic compounds at low and mid pH.

Orthogonal chemistries for polar compounds

Alternative selectivity to alkyl, phenyl, cyano phases

Poroshell 120	ZORBAX Bonus-RP
Bonus-RP (USP L60)	Bonus-RP (USP L60)

Configurations	
Particle size: 2.7 µm, stable to 600 bar Lengths: 50-150 mm id: 4.6, 3.0, 2.1 mm Works on all instruments	Particle sizes: 7, 5, 3.5, 1.8 µm, RRHD stable to 1200 bar*, RRHT stable to 600 bar Lengths: 30-250 mm id: 4.6, 3.0, 2.1, 1.0 mm; Prep * Also compatible with Agilent Infinity II LC



Poroshell 120 Bonus-RP provides the best resolution of this beta-blocker mix due to its ability to minimize secondary interactions. See full details in Application Note 5991-0349EN.

Polar-embedded to improve peak shapes; for basic compounds at low and mid pH.

Exceptional lifetime at low pH – no endcapping

Poroshell 120	ZORBAX SB-Aq
SB-Aq	ZORBAX SB-Aq

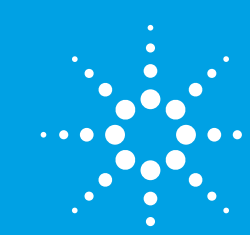
Configurations	
Particle size: 2.7 µm, stable to 600 bar Lengths: 50-150 mm id: 4.6, 3.0, 2.1 mm; Prep Works on all instruments	Particle sizes: 7, 5, 3.5, 1.8 µm, RRHD stable to 1200 bar*, RRHT stable to 600 bar Lengths: 30-250 mm id: 3.0, 2.1 mm; Prep * Also compatible with Agilent Infinity II LC

Proprietary phase ideal for polar compounds and high aqueous conditions.

For more help or technical assistance, contact your local Agilent Representative or Agilent Authorized Distributor at agilent.com/chem/contactus
For product information and selection, visit agilent.com/chem/lccolumns

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The Measure of Confidence



Agilent Technologies