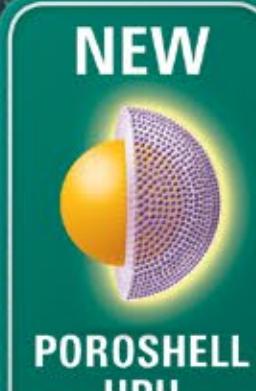


AGILENT HPLC COLUMNS NAVIGATOR

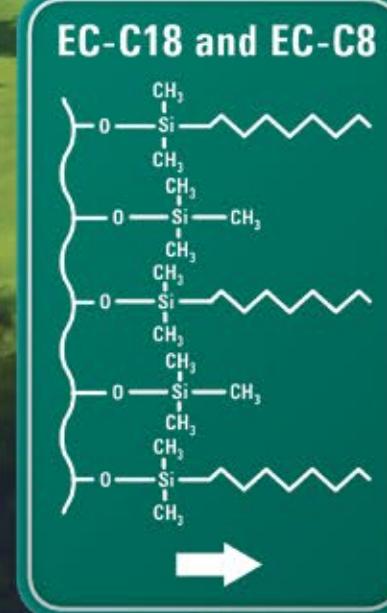
SMALL MOLECULE APPLICATIONS FOR PHARMA

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

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



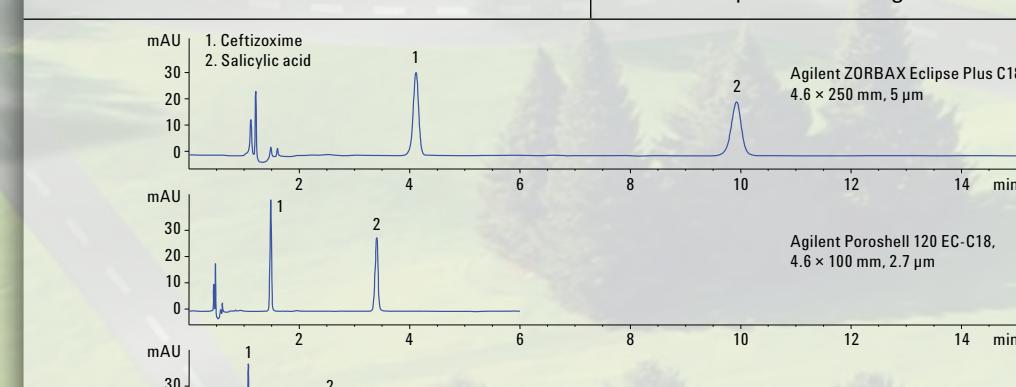
HIGH pH



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 μ m, stable to 600 bar Lengths: 30-150 mm id: 4.6, 3.0, 2.1 mm Works on all instruments



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

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

LOW pH

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

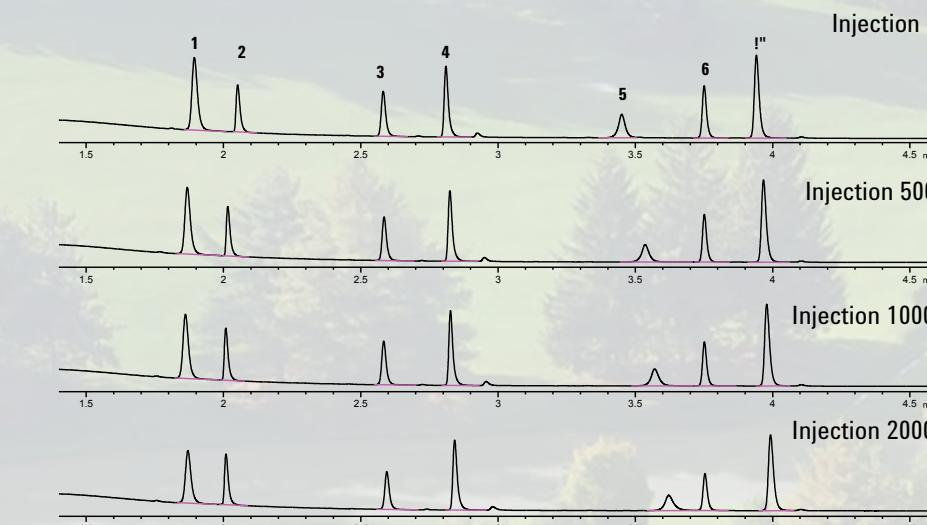
Best option for separations at high pH

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

Configurations

Particle size: 2.7 μ m, 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 μ m, 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.
1. Methyl salicylate
2. 4-Chloroanisic acid
3. Acetophenone
4. Quinine
5. Nortriptyline
6. Heptanophenone
7. Amitriptyline

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 bidendate bonding and double-endcapping provides high pH stability.

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 μ m, 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 μ m, 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

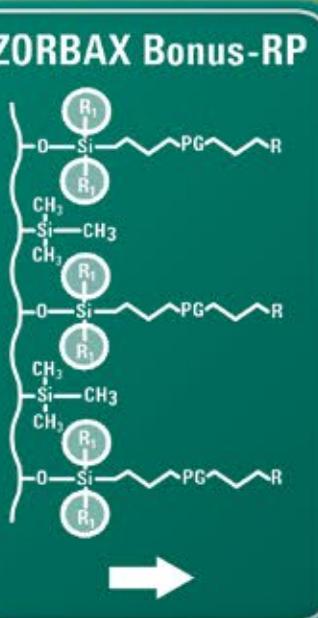
High sensitivity for LC/MS applications and recommended for EPA 1694

Poroshell 120	ZORBAX HILIC
HILIC	ZORBAX HILIC Plus

Configurations
Particle size: 2.7 μ m, 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 μ m, RRHD stable to 1200 bar*, RRHT stable to 600 bar
Lengths: 50-150 mm
id: 4.6 (3.5 μ m 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.



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 μ m, 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 μ m, 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

Best for low pH mobile phases – great for method development

Poroshell 120	ZORBAX StableBond
SB-C18 (USP L1)	SB-C18 (USP L1)
SB-C8 (USP L7)	SB-C8 (USP L7)

Configurations
Particle size: 2.7 μ m, stable to 600 bar Lengths: 30-150 mm id: 4.6, 3.0, 2.1 mm Works on all instruments

Particle sizes: 7, 5, 3.5, 1.8 μ m, 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

High performance with acids, bases, and neutrals with superior lifetime at low pH.

Exceptional lifetime at low pH – no endcapping

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

Configurations
Particle size: 2.7 μ m, 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 μ m, 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.