

Atlantis Columns



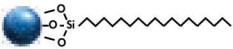
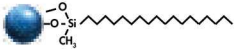

For polar compounds, Atlantis™ HPLC Columns provide exceptional performance, versatility, and retention when operating under reversed-phase conditions. The balanced retention of Atlantis Columns affords the separation of polar and non-polar analytes while providing:

- Compatibility with 100% aqueous mobile phases
- Polar-compound retention without ion-pairing reagents
- Long column life when used with mobile phases of low pH



i For Atlantis Premier BEH C₁₈ AX, and Atlantis Premier BEH Z-HILIC columns, please go to the MaxPeak Premier Column section found on page 104.

Column Characteristics

	T3, 100 Å	dC ₁₈ , 100 Å	HILIC Silica, 100 Å
	HPLC: 3, 5, 10 µm	HPLC: 3, 5, 10 µm	HPLC: 3, 5 µm
Ligand Benefit	Exceptional polar compound retention and balanced retention of acids, bases and neutrals. Aqueous mobile-phase compatibility, low MS bleed	General purpose, high efficiency, delivers balanced retention of acids, bases, and neutrals in mid-range pH conditions.	No ligand, general purpose separations of highly polar compounds for use in HILIC separations
Particle/Ligand			
Ligand Density*	1.6 µmol/m ²	1.6 µmol/m ²	N/A
Carbon Load*	14%	12%	N/A
Endcapped	Yes	Yes	No
USP Class No.	L1	L1	L3
pH Range	2–8	3–7	1–5
Temperature Limits	Low pH = 45 °C, High pH = 45 °C	Low pH = 45 °C, High pH = 45 °C	Low pH = 45 °C, High pH = 45 °C
Surface Area*	330 m ² /g	330 m ² /g	330 m ² /g
Performance Standards	Neutrals QC Reference Material p/n: 186006360	Neutrals QC Reference Material p/n: 186006360	HILIC QC Reference Material p/n: 186007226
Application Standards	Reversed-Phase QC Reference Material p/n: 186006363	Reversed-Phase QC Reference Material p/n: 186006363	HILIC QC Reference Material p/n: 186007226

*Expected or approximate value.



APPLICATION AREA: Analyze Metabolites

"By using this column we can estimate seven compounds in a single injection."

REVIEWER: Suresh Babu Alaparthi

ORGANIZATION: West Virginia State University