

Pinnacle® DB X3 C18 UHPLC Columns

- Higher stability in acidic and highly aqueous conditions.
- Improved peak shape for basic compounds.
- Greater retention of hydrophilic compounds.



Physical Characteristics:

particle size: 1.9µm
pore size: 140Å
endcap: yes
pH range: 2.5 to 7.5
temperature limit: 80°C

Chromatographic Properties:

A dense trifunctionally bonded C18 alkyl phase for reversed phase separations.

Length	2.1mm ID	
	cat.#	price
1.9µm Columns		
30mm	9424232	
50mm	9424252	
100mm	9424212	

Pinnacle® DB PAH UHPLC Columns

- Complete resolution of EPA 610 PAHs in less than 4 minutes.
- Greatly reduces run times, increasing sample throughput.



Physical Characteristics:

particle size: 1.9µm
pore size: 140Å
endcap: yes
pH range: 2.5 to 7.5
temperature limit: 80°C

Chromatographic Properties:

Specifically designed to resolve complex mixtures of polycyclic aromatic hydrocarbons.

Length	2.1mm ID	
	cat.#	price
1.9µm Columns		
30mm	9470232	
50mm	9470252	
100mm	9470212	



Page #
Polycyclic Aromatic Hydrocarbons508, 509

Pinnacle® DB IBD UHPLC Columns

Physical Characteristics:

particle size: 1.9µm
pore size: 140Å
endcap: yes
pH range: 2.5 to 7.5
temperature limit: 80°C



Chromatographic Properties:

An intrinsically base-deactivated (IBD) phase, containing a polar group within, or intrinsic to, the hydrocarbon bonded phase. Unique selectivity and a high level of base deactivation, while reducing or eliminating the need for mobile phase additives.

Length	2.1mm ID	
	cat.#	price
1.9µm Columns		
30mm	9425232	
50mm	9425252	
100mm	9425212	



Pinnacle® II Columns: 3µm or 5µm particles; 110Å pore size

Silica manufactured at Restek, for total control of quality and reproducibility. Excellent replacement for the original Hypersil® material. Physical and chromatographic properties similar to our original Pinnacle® materials, but with greater lot-to-lot uniformity.

Pinnacle® II C18 Columns (USP L1)

Physical Characteristics:

particle size: 3µm or 5µm, spherical
pore size: 110Å
carbon load: 13%

endcap: fully endcapped
pH range: 2.5 to 10
temperature limit: 80°C



Chromatographic Properties:

Excellent choice as a general purpose C18 column. Intermediate carbon loading and surface area, suitable for a wide range of acidic to neutral hydrophobic compounds. Replaces Hypersil® ODS and Pinnacle® C18.



	Page #
Allicin	510
Capsaicinoids	513
Morphine Sulfate	520
Phenolic Antioxidants	510, 513

Length	1.0mm ID		2.1mm ID		3.2mm ID		4.0mm ID		4.6mm ID	
	cat.#	price	cat.#	price	cat.#	price	cat.#	price	cat.#	price
3µm Columns										
30mm	9214331		9214332		9214333		—	—	9214335	
50mm	9214351		9214352		9214353		—	—	9214355	
100mm	9214311		9214312		9214313		—	—	9214315	
5µm Columns										
30mm	9214531		9214532		9214533		—	—	9214535	
50mm	9214551		9214552		9214553		—	—	9214555	
100mm	9214511		9214512		9214513		9214514		9214515	
150mm	9214561		9214562		9214563		9214564		9214565	
200mm	9214521		9214522		9214523		—	—	9214525	
250mm	9214571		9214572		9214573		—	—	9214575	

Pinnacle® II PAH Columns

Physical Characteristics:

particle size: 4µm, spherical
pore size: 110Å

endcap: fully endcapped
pH range: 2.5 to 10
temperature limit: 80°C



Chromatographic Properties:

Developed specifically for challenging analyses of polycyclic aromatic hydrocarbons. The Pinnacle® II PAH stationary phase incorporates a proprietary C18 bonding that enables unique shape selectivity to resolve to baseline all 16 PAHs listed in US EPA Method 610. Every lot of Pinnacle® II PAH bonded phase material is tested to ensure baseline resolution of the Method 610 PAHs, using a simple water/acetonitrile mobile phase gradient. Further, because we make Pinnacle® II PAH columns using our own silica, we have greater control over quality and reproducibility. Replaces Pinnacle® PAH columns.

If you are analyzing PAHs, Pinnacle® II PAH columns are the reliable, cost-effective columns you need.



	Page #
PAHs	508

Length	2.1mm ID		3.2mm ID		4.6mm ID	
	cat.#	price	cat.#	price	cat.#	price
4µm Columns						
50mm	9219452		9219453		9219455	
100mm	9219412		9219413		9219415	
150mm	9219462		9219463		9219465	
200mm	9219422		9219423		9219425	
250mm	9219472		9219473		9219475	

