



**Physical Characteristics:**

particle size: 1.9µm or 5µm, spherical  
pore size: 140Å  
carbon load: 4%  
endcap: yes  
pH range: 2.5 to 8  
temperature limit: 80°C



also  
available

**Bulk Packing  
Materials**  
See page 194.



**Physical Characteristics:**

particle range: 5µm, spherical  
pore size: 140Å  
carbon load: 5.3%  
endcap: yes  
pH range: 2.5 to 8  
temperature limit: 80°C

**Pinnacle® DB Cyano Columns (USP L10)**

**Chromatographic Properties:**

Highly base-deactivated spherical silica manufactured by Restek. Cyano bonding. Suitable for analyses of a wide range of compounds, from acidic through slightly basic. Also useful for confirmation of analyses on a C18 or C8 column. Can be used in normal phase or reversed phase mode of separation. Replaces Hypersil® BDS Cyano and Pinnacle® Cyano Amine.

Length	1.0mm ID		2.1mm ID		3.2mm ID		4.6mm ID	
	cat.#	price	cat.#	price	cat.#	price	cat.#	price
<b>1.9µm Columns</b>								
30mm				9416232				
50mm				9416252				
100mm				9416212				
<b>5µm Columns</b>								
30mm	9416531		9416532		9416533		9416535	
50mm	9416551		9416552		9416553		9416555	
100mm	9416511		9416512		9416513		9416515	
150mm	9416561		9416562		9416563		9416565	
200mm	9416521		9416522		9416523		9416525	
250mm	9416571		9416572		9416573		9416575	

**Pinnacle® DB Cyano Guard Cartridges**

Guard Cartridges	3-pk.	3-pk.	2-pk.	2-pk.	price
	(10 x 2.1mm)	(10 x 4.0mm)	(20 x 2.1mm)	(20 x 4.0mm)	
Pinnacle DB Cyano Guard Cartridge	941650212	941650210	941650222	941650220	

**Pinnacle® DB Cyano HPLC Prep Columns**

Length	10mm ID		21.2mm ID		30mm ID		50mm ID	
	cat.#	price	cat.#	price	cat.#	price	cat.#	price
<b>5µm Columns</b>								
50mm	9416557		9416558		9416559		9416550	
100mm	9416517		9416518		9416519		9416510	
150mm	9416567		9416568		9416569		9416560	
250mm	9416577		9416578		9416579		9416570	

**Pinnacle® DB Phenyl Columns (USP L11)**

**Chromatographic Properties:**

Highly base-deactivated spherical silica manufactured by Restek. Pinnacle® DB Phenyl columns offer alternate selectivity to straight chain hydrocarbon phases, especially for aromatic analytes. Replaces Hypersil® BDS Phenyl and Pinnacle® Phenyl Amine.

Length	1.0mm ID		2.1mm ID		3.2mm ID		4.6mm ID	
	cat.#	price	cat.#	price	cat.#	price	cat.#	price
<b>5µm Columns</b>								
30mm	9415531		9415532		9415533		9415535	
50mm	9415551		9415552		9415553		9415555	
100mm	9415511		9415512		9415513		9415515	
150mm	9415561		9415562		9415563		9415565	
200mm	9415521		9415522		9415523		9415525	
250mm	9415571		9415572		9415573		9415575	

**Pinnacle® DB Phenyl Guard Cartridges**

Guard Cartridges	3-pk.	3-pk.	2-pk.	2-pk.	price
	(10 x 2.1mm)	(10 x 4.0mm)	(20 x 2.1mm)	(20 x 4.0mm)	
Pinnacle DB Phenyl Guard Cartridge	941550212	941550210	941550222	941550220	