

# Agilent HPLC Columns – Zorbax StableBond 80Å

- Long column lifetime and best reproducibility for low pH separations – down to pH 1!
- Stable column chemistry allows use at high temperature and low pH without degradation
- Excellent first choice for method development

StableBond packing materials are not endcapped in order to provide exceptional stability and to maximize lifetime and reproducibility under acidic mobile phase conditions. Zorbax StableBond columns are compatible with all common mobile phases including very high aqueous mobile phases.

Polar compounds can be analyzed with excellent reproducibility and peak shape because SB-Aq columns have a hydrophilic surface that inhibits phase collapse, even with 100% aqueous mobile phases.

## Zorbax StableBond Column Specifications

Bonded Phase	Pore Size	Surface Area	Temp Limits*	pH Range	Endcapped	Carbon Load
SB-C18	80Å	180m <sup>2</sup> /g	90° C	1.0 - 8.0	No	10%
SB-C8	80Å	180m <sup>2</sup> /g	80° C	1.0 - 8.0	No	5.5%
SB-C3	80Å	180m <sup>2</sup> /g	80° C	1.0 - 8.0	No	4.0%
SB-CN	80Å	180m <sup>2</sup> /g	80° C	1.0 - 8.0	No	4.0%
SB-Phenyl	80Å	180m <sup>2</sup> /g	80° C	1.0 - 8.0	No	5.5%
SB-Aq	80Å	180m <sup>2</sup> /g	80° C	1.0 - 8.0	No	Proprietary

\*StableBond columns are designed for optimal use at low pH. At pH 6-8, highest column stability for all silica-based columns is obtained by operating at temperatures <40° C and using low buffer concentrations in the range of 0.01 - 0.02M.

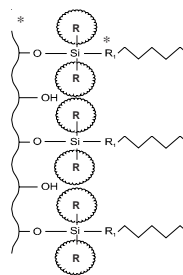
At mid-range pH, Eclipse XDB and Bonus-RP are recommended.

## 80Å Zorbax StableBond Cartridge Columns

Dimensions (mm)	Particle Size (µm)	(USP L1) SB-C18	(USP L7) SB-C8
4.6 x 250	5	7995218-585 <sup>1</sup>	7995208-585 <sup>1</sup>
4.6 x 150	5	7995218-595 <sup>1</sup>	7995208-595 <sup>1</sup>
4.6 x 75	3.5	7995218-344 <sup>1</sup>	7995208-344 <sup>1</sup>
4.6 x 30	3.5	833975-902 <sup>2</sup>	833975-906 <sup>2</sup>
4.6 x 15	3.5	831975-902 <sup>2</sup>	831975-906 <sup>2</sup>
4.0 x 4.0, 10/pk	5	7995118-504 <sup>1</sup>	7995118-504 <sup>1</sup>
2.1 x 30	3.5	873700-902 <sup>2</sup>	873700-906 <sup>2</sup>
2.1 x 15	3.5	875700-902 <sup>2</sup>	875700-906 <sup>2</sup>
Cartridge holder	-	5021-1845	5021-1845
Hardware kit	-	820555-901	820555-901

<sup>1</sup>requires cartridge holder 5021-1845

<sup>2</sup>requires hardware kit 820222-901



## 80Å Zorbax StableBond Columns

Dimensions (mm)	Particle Size (µm)	(USP L1) SB-C18	(USP L7) SB-C8	(USP L10) SB-CN	SB-C3	(USP L11) SB-Phenyl	SB-Aq
4.6 x 250	5	880975-902	880975-906	880975-905	880975-909	880975-912	880975-914
4.6 x 150	5	883975-902	883975-906	883975-905	883975-909	883975-912	883975-914
4.6 x 50	5	846975-902	846975-906				846975-914
4.6 x 150	3.5	863953-902	863953-906	863953-905		863953-912	863953-914
4.6 x 100	3.5	861953-902	861953-906	861953-905		861953-912	861953-914
4.6 x 75	3.5	866953-902	866953-906	866953-905		866953-912	866953-914
4.6 x 50	3.5	835975-902	835975-906	835975-905		835975-912	835975-914
3.0 x 250	5	880975-302	880975-306	880975-305	880975-309	880975-312	
3.0 x 150	5	883975-302	883975-306	883975-305	883975-309	883975-312	
3.0 x 150	3.5	863954-302	863954-306	863954-305		863954-312	
3.0 x 100	3.5		861954-306				
2.1 x 150	5	883700-922	883700-906	883700-905	883700-909	883700-912	
2.1 x 50	5	860975-902	860975-906	860975-905	860975-909	860975-912	860975-914
2.1 x 150	3.5	830990-902	830990-906				830990-914
2.1 x 100	3.5	861753-902	861753-906	861753-905		861753-912	861753-914
2.1 x 75	3.5	866735-902					
2.1 x 50	3.5	871700-902	871700-906				871700-914
1.0 x 150	3.5	863600-902	863600-906	863600-905			
1.0 x 50	3.5	865600-902	865600-906				
1.0 x 30	3.5	861600-902	861600-906				
1.0 x 17	5	5185-5920	5185-5920				

## Guard Cartridges (requires hardware kit)

4.6 x 12.5, 4/pk	5	820950-920	820950-915	820950-916	820950-922	820950-917	820950-933
2.1 x 12.5, 4/pk	5	821125-926	821125-926	821125-924	821125-924	821125-926	821125-933

## Guard Hardware Kit (fits both 4.6 x 12.5 and 2.1 x 12.5 cartridges)

Hardware kit	-	820888-901	820888-901	820888-901	820888-901	820888-901	820888-901
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