

# Global Column Policy – Agilent Technologies Columns



Agilent Technologies

## Approved Columns List

### Low pH Studies < pH 2- Primary column

#### [Zorbax Stablebond C<sub>18</sub>](#)

StableBond columns are made using bulky, patented, unique silanes that sterically protect the siloxane bond. Acid labile endcapping reagents are not used. The result is vastly improved column life and extraordinary chemical and temperature stability (up to 75° C) less than pH 2. Excellent peak shape is expected for many basic compounds because of the ultra-pure Rx-SIL support.

Cat. No.	Particle Size (µm)	Column Dimensions (mm)	Notes
884950-569	3.5	3.0 x 150	
884950-573	3.5	4.6 x 50	
884950-573	1.8	4.6 x 100	Fast LC, High resolution column can be used on conventional LCs
827975-902	1.8	4.6 x 50	Fast LC, High resolution column can be used on conventional LCs

### Wide range pH Studies 2.0 thru 11.0 - Primary column

#### [Zorbax Extend C<sub>18</sub>](#)

Extend-C18 columns incorporate a unique patented bidentate silane, combined with a double-endcapping process that protects the silica from dissolution at high pH - up to pH 11.0 only when organic buffers are used. Columns are best applied for separations of compounds that are either (1) basic and have little or no retention at low or intermediate pHs, (2) more stable or more soluble at high pH, or (3) basic and show poor peak shape at low or intermediate pH.

Cat. No.	Particle Size (µm)	Column Dimensions (mm)	Notes
884950-568	3.5	3.0 x 150	
884950-572	3.5	4.6 x 50	
728975-902	1.8	4.6 x 100	Fast LC, High resolution column can be used on conventional LCs
727975-902	1.8	4.6 x 50	Fast LC, High resolution column can be used on conventional LCs

### Biological Macromolecules, Proteins, Peptide Analysis- Primary column

#### [Zorbax Stablebond-300 Å C<sub>3</sub>](#)

Specifically designed for the reverse phase separation of bio-molecules, Stablebond SB-3, is prepared by covalently bonding a sterically protected organosilane to an ultra high purity, wide pore (300 Å) Zorbax Silica support.. A patented method of hydroxylation produces a deactivated surface that substantially reduces peak tailing. Sterically protected silanes also solve the problem of bonded phase instability as experienced in protein and peptide analysis with conventional columns. Stablebond C<sub>3</sub> exhibits excellent pH stability (down to pH 1) and high temperature resistance (up to 75°C)

Cat. No.	Particle Size (µm)	Column Dimensions (mm)	Notes
884950-570	3.5	3.0 x 150	300 Å Wide Pore for bio-molecules
884950-574	3.5	4.6 x 50	300 Å Wide Pore for bio-molecules