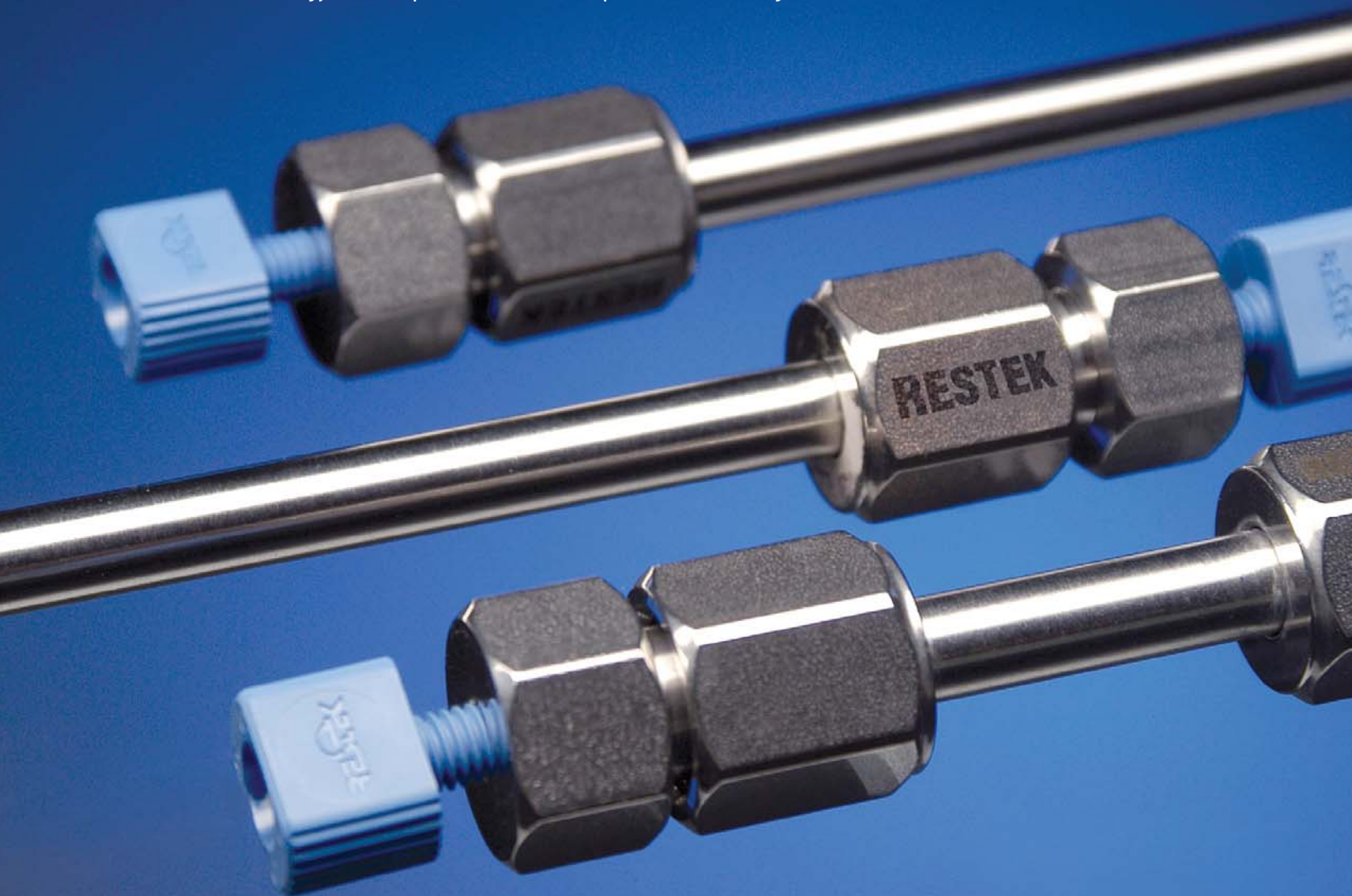


# Restek pHidelity™ C18

## pH-Stable HPLC Columns

- Stable up to pH 12 – superior chromatography for basic compounds.
- Patented barrier technology protects silica particles.
- True C18 selectivity, for simpler and more reproducible analyses.



**Chromatography Products**

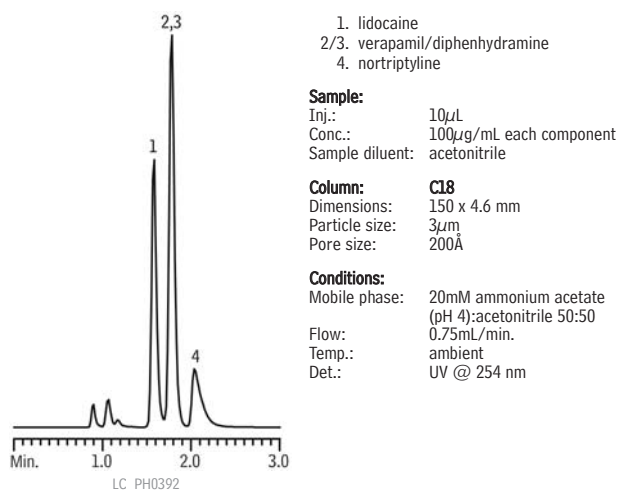
[www.restek.com](http://www.restek.com) 800-356-1688 • 814-353-1300

## Restek pHidelity™ C18 pH Stable HPLC Columns

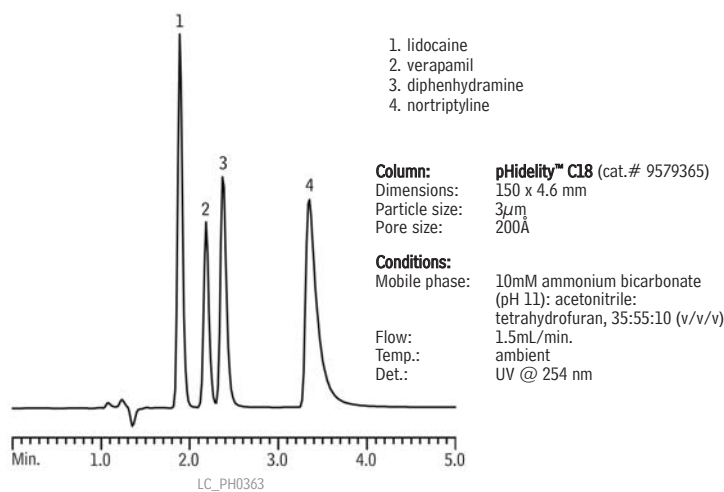
We are pleased to introduce pHidelity™ pH-stable HPLC columns, designed for analyses that require, or benefit from, extreme pH conditions. pHidelity™ columns incorporate a proprietary barrier layer that protects the base silica particle, and a secondary layer that provides the functional stationary phase ligand. pHidelity™ columns can be used routinely up to pH 12 – a significant improvement over the typical pH 2.5 to 7.5 range for silica-based materials. pHidelity™ columns give you more control over analyte retention and resolution; mobile phase pH can be increased to enhance retention of basic analytes – without sacrificing column lifetime.

### Using a high pH mobile phase is an easy way to improve peak retention, resolution, and symmetry in a test mix of compounds varying in pKa values.

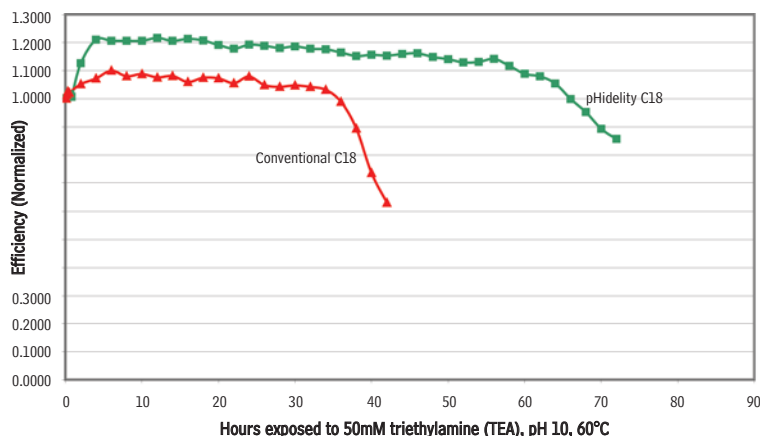
**A) Poor separation of bases under typical conditions on a conventional C18 column at pH 4**



**B) Complete separation of bases on a pHidelity™ column at pH 11**



### pHidelity™ C18 columns - exceptional performance under accelerated high pH stability testing conditions.



### pHidelity™ C18 Columns

#### Physical Characteristics:

particle size: 3  $\mu$ m  
pore size: 200  $\text{\AA}$

pH range: 1 to 12  
temperature limit: 80°C

#### 3 $\mu$ m Column, 4.6mm

	cat. #
30mm	9579335
50mm	9579355
100mm	9579315
150mm	9579365
30mm (with Trident™ Inlet Fitting)	9579335-700
50mm (with Trident™ Inlet Fitting)	9579355-700
100mm (with Trident™ Inlet Fitting)	9579315-700
150mm (with Trident™ Inlet Fitting)	9579365-700

#### pHidelity™ C18 Guard Cartridges

	qty.	cat. #
10 x 4.0mm	3-pk.	957930210
20 x 4.0mm	2-pk.	957930220

Restek Trademarks:  
pHidelity, Trident, Restek logo.

Available from: LECO Australia Pty Ltd - Ph: 61 2 9894 5955 - Fx: 61 2 9894 5247 - Email: australia@leco.com