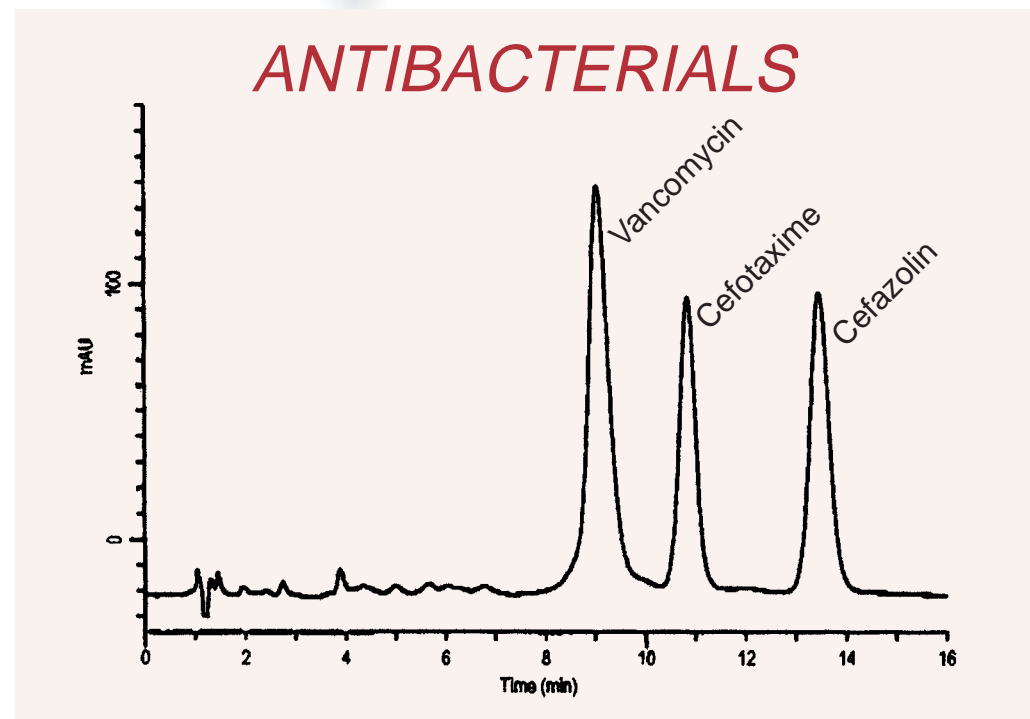


Hydrophilic Reverse Phase for Polar Compounds

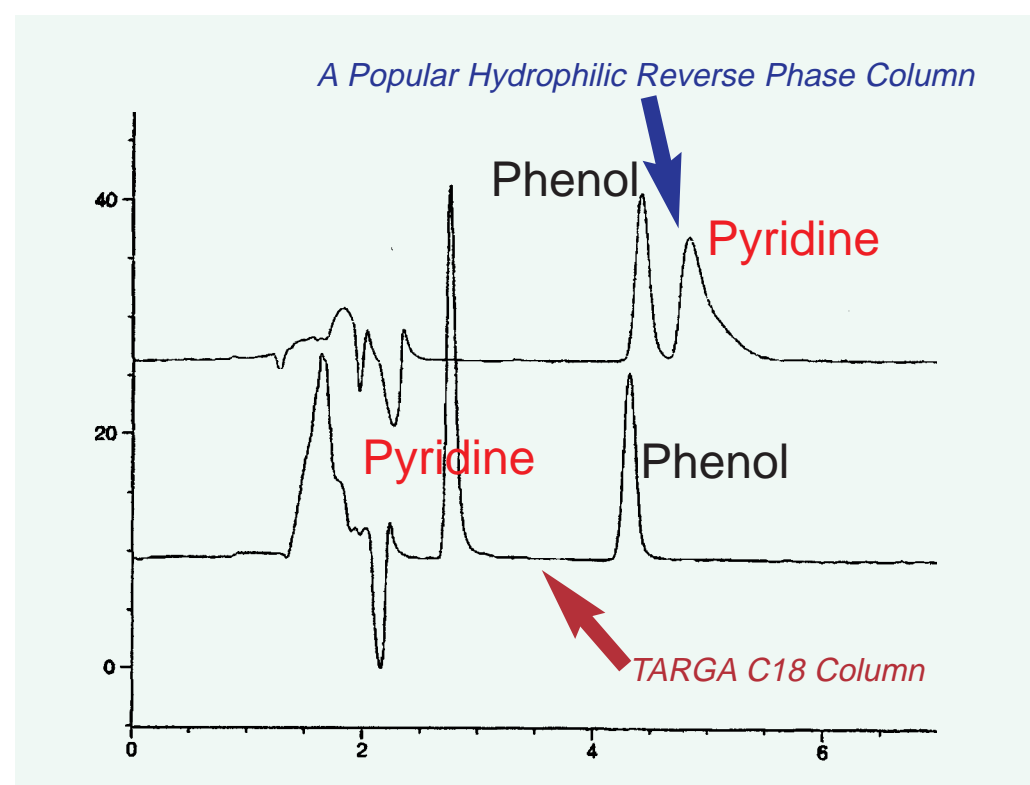


TARGA C18

- ✓ Good kinetics for chromatography ranging from 0 to 100% organic phase
- ✓ No secondary silanol effects
- ✓ No phase collapse in high aqueous conditions
- ✓ Acidic and Basic drugs don't tail
- ✓ Good sample recovery



Analysis of Antibacterials on TARGA C18, 100 x 2.1mm
Mobile Phase: 92% Water with 0.1% TFA pH2.5, 8% MeCN, 300 μ L/min
DAD Detection at 230nm



TARGA C18 compared to a popular column designed for working with high aqueous mobile phases. 150X4.6mm, 20% MeCN/water (unbuffered), 1mL/min.

Using TARGA for analysis of polar solutes in high aqueous conditions

Since their introduction in 1996, TARGA HPLC columns and cartridges have become a popular choice for LC-MS applications, especially ones involving problematic basic compounds. The inert surface chemistry characteristics and relatively high surface area provide a unique selectivity without peak tailing even for basic samples. More importantly, problematic solutes such as basic peptides can be analyzed without TFA in the mobile phase which greatly enhances detection limits. Buffers as weak as 0.01% acetic or formic acid are routinely used for peptide mapping and peptide analysis.

TARGA HPLC columns work well with 100% aqueous mobile phases and equilibrate quickly when running gradients beginning with 100% water.

Wide Range for Formats Offered

Higgins Analytical products are available in cartridge as well as conventional column formats. Our small 20x2.1mm cartridge columns can be used as column guards or as efficient analytical columns for high speed and LC-MS applications.