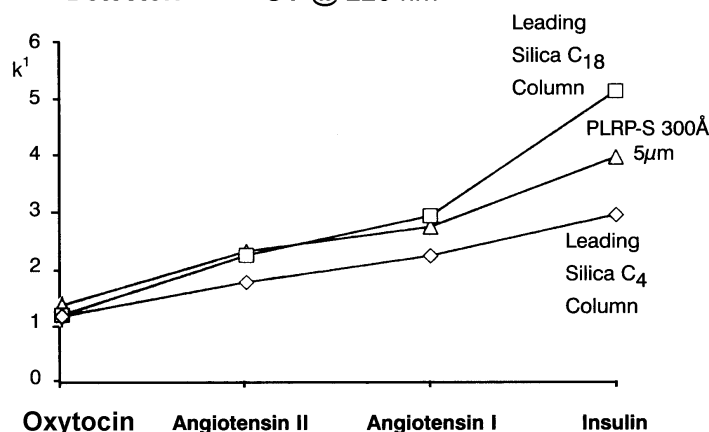


Microbore HPLC: Retention Characteristics of PLRP-S: Comparison with C18 and C4 Silica



App No 107 Gradient elution of 4 peptide hormones

Dimensions: 1 x 250 mm
Mobile Phase: A: 0.1% TFA in MeCN-water (20:80)
B: 0.1% TFA in MeCN-water (50:50)
Gradient: 0-100% B in 15 mins
Flow Rate: 50 μ L/min
Detector: UV @ 220 nm



Comments:

The underlying hydrophobic retention characteristics of the PLRP-S media are comparable to reversed-phase silica-based packings. However, subtle differences due to the potential for additional π - π bond interactions can be utilized to further improve resolution.

The observed absolute retention for four peptides on leading C18 and C4 silica columns and PLRP-S indicates the similarity of the interaction. The retention characteristics of the PLRP-S column offer excellent performance over a wide range of peptides and proteins.