Careful Column Choice Improves Analytical Quality

Agilent PLgel Columns

Technical Overview

Introduction

When individual pore size columns are used in series with mixed gel columns, the calibration curve shows a dislocation and is non-linear. The dislocation coincides with the exclusion limit of the individual pore size column. Using mixed gel columns in series avoids dislocation.

Agilent Technologies

PLgel is a highly crosslinked porous polystyrene/divinyl benzene matrix. PLgel columns have high pore volumes and high efficiency for maximum resolution. Wide solvent compatibility makes for easy transfer between polar and non-polar solvents. The columns' outstanding physical rigidity gives extended lifetimes, especially at high temperatures and in aggressive solvents.

Conditions

Eluent: THF
Flow Rate: 1.0 mL/min

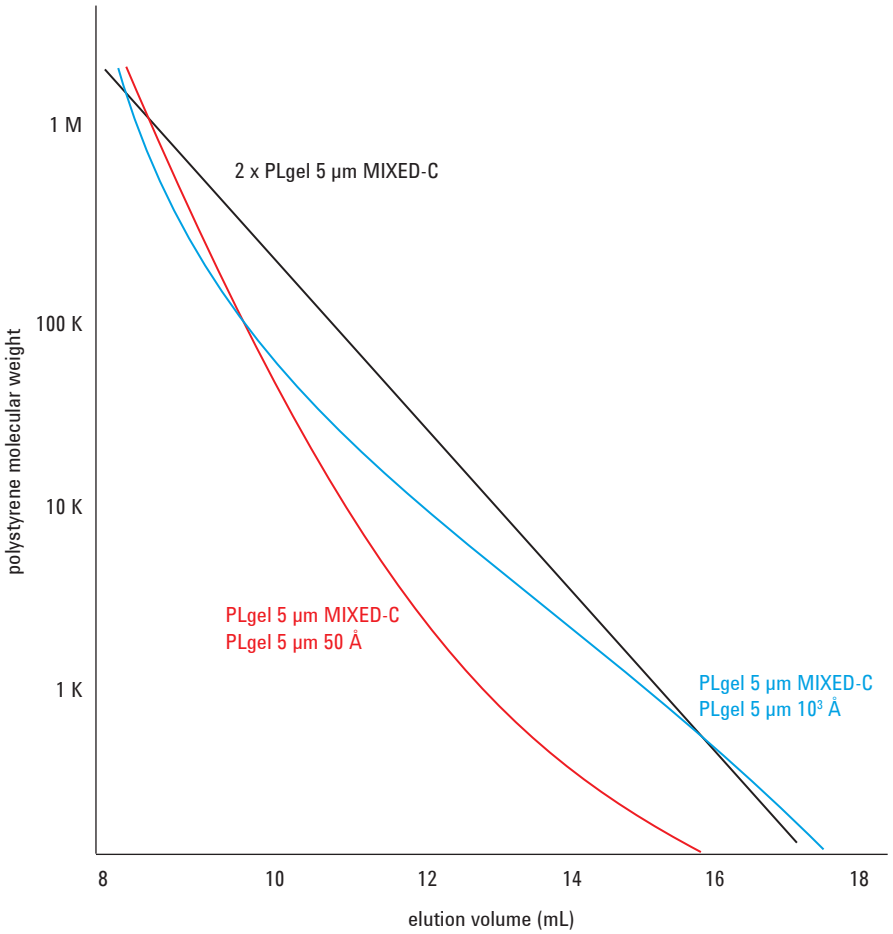

Figure 1. When individual pore size columns are used in series with mixed gel columns, the calibration curve shows a dislocation and is non-linear

www.agilent.com/chem

This information is subject to change without notice.
© Agilent Technologies, Inc. 2010
Published in UK, September 23, 2010
SI-01750

Agilent Technologies