

TSKgel ODS-140HTP Columns

Ultra High Performance Reversed Phase Columns
for High Throughput Analysis

TSKgel
PRODUCT OVERVIEW

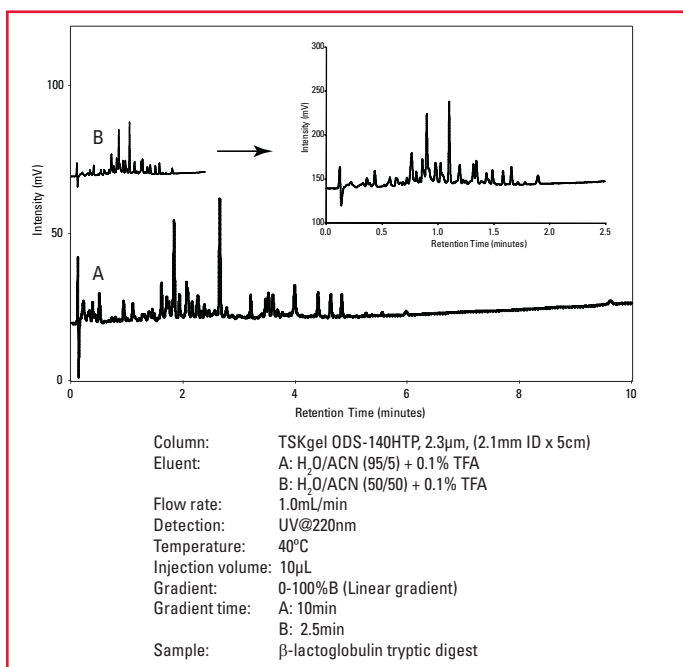
Introduction

TSKgel ODS-140HTP columns were developed for use in high throughput applications, including drug discovery, pharmacokinetics and peptide digest separations. These ODS columns are packed with 2.3 μ m particles, providing high resolution and short analysis times at moderate pressures. The lower pressure drop reduces the burden on the hardware, allowing the TSKgel ODS-140HTP columns to be used with either UPLC[®] (up to 9000psi) or conventional HPLC systems. The polylayer bonding chemistry of these columns results in highly efficient and physically stable columns when operated at high flow rates under high pressure. High efficiency and shorter retention make the TSKgel ODS-140HTP columns an excellent fit for high throughput separations.

Product Highlights

- Physically stable columns
- Moderate pressure at high flow rates
- High resolution and high efficiency
- Ideal for high throughput applications
- Compatible with both HPLC and UPLC[®] systems
- Available in 2.3 μ m particle size, 2.1mm ID in 5cm and 10cm lengths

Figure 1. Separation of β -Lactoglobulin Tryptic Digest using a Short TSKgel ODS-140HTP Column



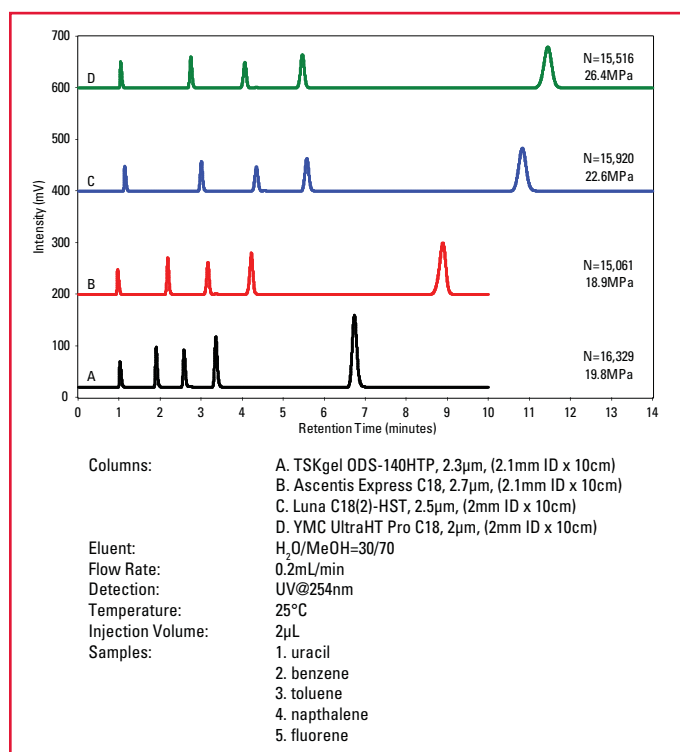
Application

Excellent resolution at high speed can be achieved on a TSKgel ODS-140HTP column with the separation of a β -lactoglobulin tryptic digest (see Figure 1). Peak capacity improved when using a longer gradient time.

Performance Data

Column efficiency of a TSKgel ODS-140HTP column compares favorably with other sub-3 μ m ODS columns (see Figure 2). Higher efficiency and a shorter retention time make the TSKgel ODS-140HTP column more suitable for high throughput separations.

Figure 2. Comparison of a TSKgel ODS-140HTP Column with Competitive Sub-3 μ m ODS Columns



Tosoh Bioscience and TSKgel are registered trademarks of Tosoh Corporation.
UPLC is a registered trademark of Waters Corporation.

Ordering Information

| Part # | Description | Matrix | Housing | ID (mm) | Length (cm) |
|--------|---------------------------------------|--------|-----------------|---------|-------------|
| 21927 | TSKgel ODS-140HTP, 2.3µm, 140Å | Silica | Stainless Steel | 2.1 | 5 |
| 21928 | TSKgel ODS-140HTP, 2.3µm, 140Å | Silica | Stainless Steel | 2.1 | 10 |



TOSOH

TOSOH BIOSCIENCE

TOSOH Bioscience LLC
3604 Horizon Drive, Suite 100
King of Prussia, PA 19406
Orders & Service: (800) 366-4875
Fax: (610) 272-3028
www.separations.us.tosohbioscience.com
email: info.tbl@tosoh.com