

COMPARISON OF FLOW RATE - PRESSURE DROP

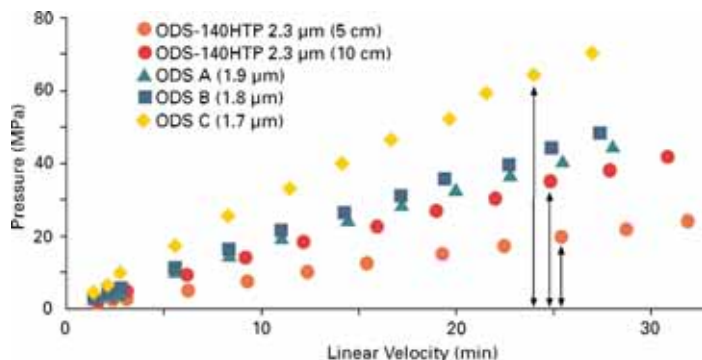


FIGURE 3

Conditions

Column: TSKgel ODS-140HTP 2.3 µm (2.0 mm ID x 5.0 cm, 10 cm L)
 Sub-2 µm ODS columns (2,1 mm ID x 5.0 cm L)
 Eluent: H₂O/CH₃CN = 50/50

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-3µm ODS columns (see Figure 2). Higher efficiency and a shorter retention time make the TSK-GEL ODS-140HTP column more suitable for high throughput separations.

The backpressure of a TSKgel ODS-140HTP column is less than half of the pressure of a sub-2 µm column (see Figure 3). Even a 10 cm TSKgel ODS-140HTP column shows favourable pressure/flow characteristics compared to 5 cm sub-2 µm columns.

For further details of choice and selection of the TSK-GEL® column that best suits your particular separation needs, please contact us:

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 or
 info.sep.eu@tosoh.com
 or
 www.tskgel.com

Ordering information

TSKgel ODS-140HTP

Part-No	Description	Matrix	Housing	Dimensions
21927	TSKgel ODS-140HTP, 2.3 µm, 140 Å	Silica	Stainless steel	2.1 mm ID x 5 cm L
21928	TSKgel ODS-140HTP, 2.3 µm, 140 Å	Silica	Stainless steel	2.1 mm ID x 10 cm L

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