

TSK-GEL® ODS-140HTP Products

Part Numbers: 21927, TSKgel ODS-140HTP, 2.1mm ID x 5cm, 2.3µm
21928, TSKgel ODS-140HTP, 2.1mm ID x 10cm, 2.3µm

This sheet contains the recommended operating conditions and the specifications for TSK-GEL ODS-140HTP columns. Column care information is described in a separate Instruction Manual.

A. OPERATING CONDITIONS

1. Shipping Solvent: Acetonitrile
2. Max. Pressure: 60MPa = 600 kg/cm² = 9000 psi
3. pH Range: 2.0 - 7.5
4. Salt Conc. Range: No limitation
5. Organic Conc. Range: No limitation
6. Temperature: 10 - 50°C. Reduce flow rate when operating below 10°C.
7. Cleaning Solvents: (1) High conc. solvent containing organic modifiers*
(2) Mixture of organic acids and high conc. organic modifiers*

*Acetonitrile and methanol are recommended as a modifier.
8. Storage: Store the column in the shipping solvent if it will not be used within three days. Prevent air from entering the column. For overnight storage flush at 0.1mL/min.

B. SPECIFICATIONS

The performance of TSK-GEL ODS-140HTP columns are tested under the conditions described in the data sheet. All columns have passed the following quality control specifications:

1. Number of Theoretical Plates (N): ≥ 7000 (2.1mm ID x 5cm)
 $\geq 14,000$ (2.1mm ID x 10cm)
2. Asymmetry Factor (AF): 0.9 - 1.3 (2.1mm ID)