

TSK-GEL® OligoDNA-RP Products

Part Numbers: 13352, 4.6mm ID x15cm, 5µm
13353, 7.8mm ID x 15cm, 5µm

This sheet contains the recommended operating conditions and the specifications for TSK-GEL OligoDNA-RP columns. Installation instructions and column care information are described in a separate Instruction Manual.

A. OPERATING CONDITIONS

1. Shipping Solvent: 50% Acetonitrile - 50% Water
2. Max. Flow Rate: 1.2 mL/min (4.6mm ID x 15cm)
3.2 mL/min (7.8mm ID x 15cm)

When a buffer with high viscosity is used, the maximum flow rate may have to be reduced so as not to exceed the maximum pressure drop.
3. Standard Flow Rate: 0.6 - 1.0 mL/min (4.6mm ID x 15cm)
2.0 - 3.0 mL/min (7.8mm ID x 15cm)
4. Max. Pressure: 120 kg/cm² = 1800 psi
5. pH Range: 2.0 - 7.5
6. Organic Conc.: 0 - 100%
7. Temperature: 0 - 45°C. Reduce flow rate when operating below 10°C.
8. Cleaning Solvents: (1) Acetonitrile or Methanol, or
(2) gradient from 10% to 100% acetonitrile in 0.05% trifluoroacetic acid
9. Storage: Store the column in acetonitrile or methanol when it will not be used the next day. For overnight storage flush the column with the mobile phase at 0.2 mL/min.
10. Column Protection: Filter sample (and mobile phase) through a 0.2 or 0.45 micron filter that is compatible with their composition.

B. SPECIFICATIONS

The performance of TSK-GEL OligoDNA-RP columns is tested under the conditions described in the Data Sheet. All columns have passed the following quality control specification:

1. Number of Theoretical Plates (N): ≥ 7,000