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OPERATING CONDITIONS and SPECIFICATIONS

TSK-GEL® OligoDNA-RP Products

Part Numbers:	13352	4.6 mm ID x 15.0 cm L	5 µm
	13353	7.8 mm ID x 15.0 cm L	5 µm

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 4.6 mm ID x 15.0 cm L
3.2 ml/min 7.8 mm ID x 15.0 cm L

NOTE: 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. When changing solvents, use a flow rate equal to 25% of the maximum flow rate.

3. Standard Flow Rate: 0.6 - 1.0 ml/min 4.6 mm ID x 15.0 cm L
2.0 - 3.0 ml/min 7.8 mm ID x 15.0 cm L

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 specifications

Number of Theoretical Plates (N): ≥ 7000