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## OPERATING CONDITIONS and SPECIFICATIONS

### TSKgel® OligoDNA-RP Products

<b>Part Numbers:</b>	0013352	4.6 mm ID x 15.0 cm L	<b>5 µm</b>
	0013353	7.8 mm ID x 15.0 cm L	<b>5 µm</b>

This sheet contains the recommended operating conditions and the specifications for **TSKgel** Oligo DNA-RP columns. Installation instructions and column care information are described in a separate Instruction Manual.

#### A. OPERATING CONDITIONS

- Shipping Solvent: 50% Acetonitrile - 50% Water
- 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.
- 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
- Max. Pressure: 12 MPa
- pH Range: 2.0 - 7.5
- Organic Conc.: 0 - 100%
- Temperature: 0 - 45°C Reduce flow rate when operating below 10°C.
- Cleaning Solvents:
  - (1) Acetonitrile or Methanol, or
  - (2) gradient from 10% to 100% acetonitrile in 0.05% trifluoroacetic acid
- 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.
- 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 **TSKgel** Oligo DNA-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