

TSK-GEL[®] TMS-250 Products

Part number: 07190, 4.6mmID x 7.5cm x, 10 μ m

NOTE: No guard columns are available to protect the TSK-gel TMS-250 column. It is recommended to use a frit or screen filter (< 2 μ m) between the injector and the column. Samples and mobile phases are best filtered and degassed through a 0.45 μ m filter

This sheet contains the recommended operating conditions and the specifications for the TSK-GEL TMS-250 column. Installation instructions and column care information are described in a separate Instruction Manual.

A. OPERATING CONDITIONS

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| 1. Shipping Solvent: | 50% Methanol - 50% Water |
| 2. Max. Flow Rate: | 1.0 mL/min |
| | 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: | 0.5 - 0.8 mL/min |
| 4. Max. Pressure: | 20 kg/cm ² = 300 psi |
| 5. pH Range: | 2.0 - 7.5 |
| 6. Organic Conc.: | 0 - 100% |
| 7. Temperature: | 10 - 80°C, Reduce flow rate when operating below 10°C |
| 8. Cleaning Solvents: | 1. 30 minute gradient from 0.05% aq. TFA to 0.05%aq. TFA in 70% Acetonitrile at a flow rate of 0.25 mL/min.
2. Acetonitrile |
| 9. Storage: | Store the column in a 0.05% NaN ₃ solution in DI water when it will not be used the next day. For overnight storage flush the column at low flow rate with the mobile phase. Prevent air from entering the column! |

B. SPECIFICATIONS

The performance of TSK-GEL TMS-250 columns is tested under the conditions described in the Data Sheet. All columns have passed the following quality control specifications:

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| 1. Number of Theoretical Plates (N): | ≥1,500 |
| 2. Asymmetry Factor (AF): | 0.7 - 1.6 |