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OPERATING CONDITIONS and SPECIFICATIONS

| TSKgel [®] BioAssist G4SWxL Products | | | | | |
|---|--|------------------|---|---|---|
| Part Numbers: | | 0020025 | 7.8 mm ID x 30 cm L | PEEK | 8 µm |
| This sheet contains the recommended operating conditions and the specifications for TSKgel BioAssist G4SWxL columns. Installation instructions and column care information are described in a separate Instruction Manual. | | | | | |
| A. OPERATING CONDITIONS | | | | | |
| 1. | 1. Shipping Solvent: 0.05% NaN ₃ and 0.1 M Na ₂ SO ₄ in 0.1 M phosphate buffer, pH 6.7 | | 6.7 | | |
| 2. | Max.Flow Rate: | 1.2 | mL/min | | |
| | NOTE: | | When a buffer with high viscosi reduced so as not to exceed thuse a flow rate equal to 25% of | e maximum pressure di | rop. When changing solvents, |
| 3. | Standard Flow Rate: | 0.5 - 1.0 | mL/min | | |
| 4. | Max. Pressure: | 3.5 | MPa | | |
| 5. | pH Range: | 2.5 - 7.5 | | | |
| 6. | Salt Conc.: | \leq 0.5 Molar | | | |
| 7. | Organic Conc.: | 0 - 100% | for aqueous soluble organic solvents. Make gradual solvent changes using a shallow gradient at low flow rate. | | |
| 8. | Temperature: | 10 – 30 °C | Reduce flow rate when operatir | ng below 10 °C. | |
| 9. | Cleaning Solvents: | | conc. salt solution at low pH, e.g. 0.5 M Na₂SO₄, pH 2.7 methanol or acetonitrile in low conc. aqueous buffer buffered solution of SDS, urea or guanidine | | |
| | NOTE: | | Choose a cleaning solvent base proteins, and (2) to remove hyd strongly adsorbed proteins, e.g | Irophobic proteins. Cha | |
| 10. | Storage: | | Store the column in mobile pha will not be used the next day. F phase at low flow rate. Prevent | For overnight storage flu | ush the column with mobile |
| 11. | Column Protection: | | The use of a guard column (TS is recommended to prolong the depends greatly on sample clear replaced after every 30-40 sam wide, or when the peaks show a | life of the analytical co anliness. As a general r ple injections, when the | lumn. Guard column life ule, guard columns should be |
| 12. | Top-Off: | | Occasionally, due to accident, s depression can develop at the o Use SWxL Top-Off (P/N 08544) | column or guard columi | n inlet. |
| | | | ance of TSKgel BioAssist G4SWxL columns is tested under the conditions described in the All columns have passed the following quality control specifications | | |
| Number of Theoretical Plates (N): \geq 16,00 | | ≥ 16,000 | | | |
| Asymmetry Factor (AF): | | 0.7 - 1.6 | | | |