
Size Exclusion Tips:

- TSKgel size exclusion columns are offered in glass, PEEK (polyetheretherketone), and stainless steel (SS) hardware. SS or Pyrex® frits are embedded in the body of the column end-fittings of metal and glass columns, respectively. The nominal frit size for SS columns is engraved in the end-fittings; Pyrex frits in the glass columns have a 10 µm nominal pore size.
- Halide salts corrode stainless steel tubing, fitting, and frits. Do not store SS columns in a mobile phase containing NaCl and, where possible, use another salt in the operating buffer. Chlorotrifluorethylene and tetrafluorethylene are the materials in the glass column fittings that come into contact with the mobile phase and sample.
- Good laboratory procedures demand that the analytical column be protected by a guard column. Packed guard columns are available for use with TSKgel size exclusion columns.
- It is important to employ an HPLC system that is optimized with regards to extra-column band broadening to take full advantage of the high column efficiency that can be obtained on TSKgel SuperSW, SuperH and SuperHZ columns. Components such as connecting tubing, injector, injection volume, detector cell volume, and detector time constant may require optimization.
- TSKgel size exclusion columns are supplied with an Inspection Data Sheet, which includes a QC chromatogram and test data, and an OCS Sheet summarizing the recommended operating conditions for optimum column performance.
- A separate TSKgel Column Instruction Manual that reviews general guidelines for column installation and care, as well as troubleshooting tips for commonly encountered problems, can be downloaded from the Tosoh Bioscience LLC website (www.tosohbioscience.com).

