

Gel Permeation Chromatography

Use: Characterization of polymer molecular weight and polydispersity (PDI)

Mobile Phase: Tetrahydrofuran (THF)

Temperature range: 35 °C with column heaters

Column set up: 2 columns with current limit of 400,000 g/mol

Detectors: Refractive index, low angle light scattering (LALS) and right angle light scattering (RALS) with polystyrene calibration

Concentration: typically 0.5-2 mg/mL filtered with 0.2 μm syringe filter

