



GPC/SEC system

LC-4000 series Integrated HPLC and UHPLC systems

JASCO can offer the GPC/SEC system for molecular weight distribution measurement, which is effective tool for the characteristic evaluation of polymer.



■ System configuration example

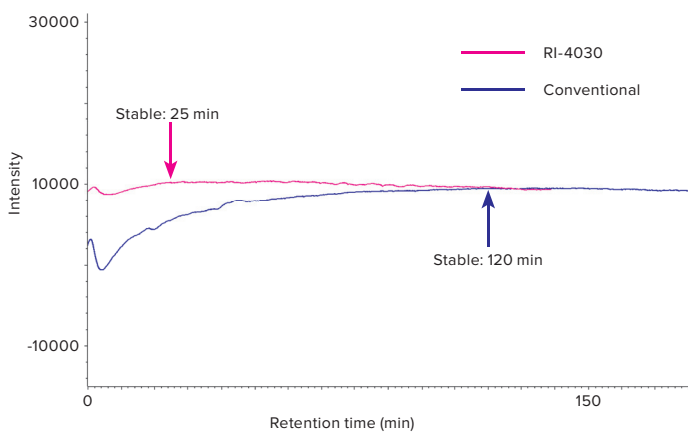
- PU-4180: HPLC pump
 - DG-4000-04: Degasser
 - AS-4050: Autosampler
 - CO-4060: Column oven
 - RI-4030: Refractive index detector
 - MD-4010: PDA detector
 - ChromNAV Ver.2: Chromatography data system
 - ChromNAV GPC/SEC: GPC/SEC calculation program
- JASCO can configure the customized system for GPC/SEC analysis with HFIP. (Please contact us.)

■ Features

- High measurement reproducibility by the high-accuracy solvent delivery pump
- System expansion capability by various detector such as PDA and UV-Vis detector
- Refractive index detector for semi-micro scale is available

■ High stability RI detector

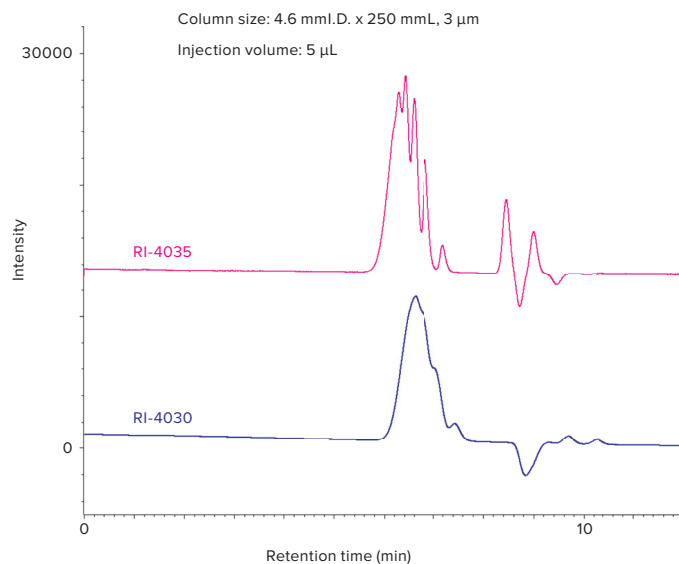
LC-4000 series can become stable at shorter time (25 min) than the one of a conventional equipment (120 min).



Baseline comparison after switching on the power

■ Corresponding to semi-micro scale

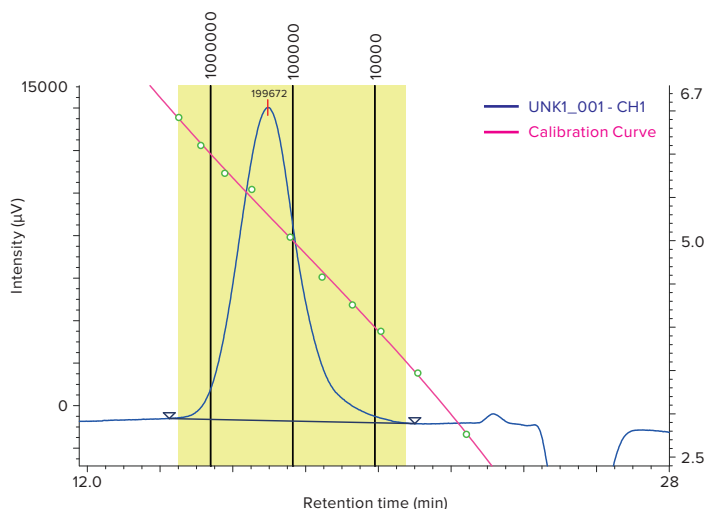
JASCO can offer the semi-micro type refractive index detector, which allows to perform high separation and to reduce the solvent consumption.



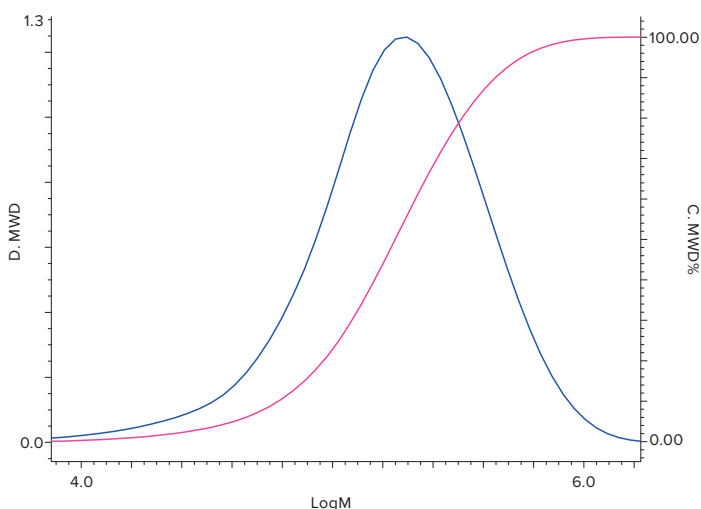
Measurement of polystyrene oligomer

■ Molecular weight distribution program (option)

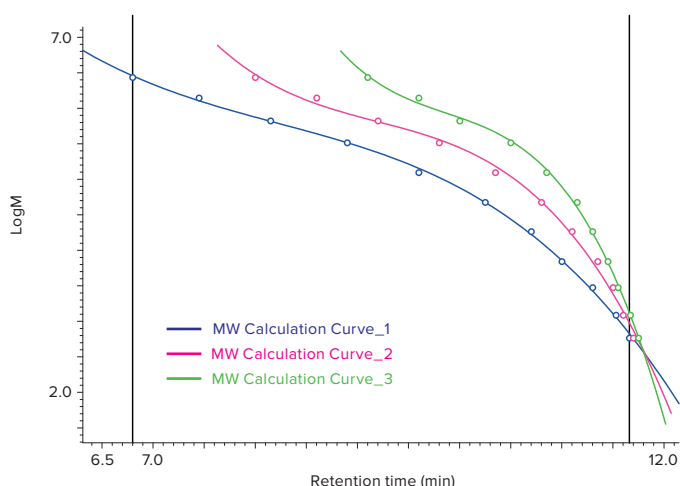
This optional program enables to perform GPC data processing by combination with ChromNAV Ver.2



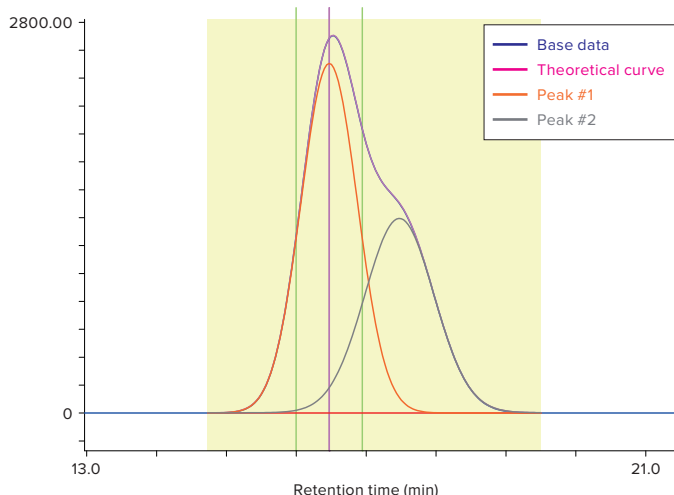
- Simultaneous display of chromatogram, calibration curve and designated molecular weight



- Integral molecular weight distribution curve (red) and differential molecular weight distribution curve (blue)



- Convenient comparison display for accuracy management of calibration curve



- Curve fitting function for unseparated peak is included as standard



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For more information, please contact :



Products described herein are designed and manufactured by ISO-certified JASCO Corporation.

MADE IN TOKYO, JAPAN