



Tosoh Bioscience GmbH

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PRESS RELEASE

EcoSEC Elite and EcoSEC HT GPC/SEC Systems for efficient polymer characterization

Consistent results from run-to-run, day-to-day, and system-to-system.

Tosoh's all-in-one dedicated GPC instrument for ambient temperature analysis, the EcoSEC Elite® System, is predominantly used in the chemical and polymer industries while the EcoSEC HT® High Temperature GPC System is ideal for the polyolefin and oil industries.

EcoSEC Elite is a compact, all-in-one GPC system designed for semi-micro and conventional GPC applications. It offers outstanding performance and short analysis time when combined with semi-micro GPC columns. Key features of the system are the low system dead volume, outstanding pump reproducibility and an extremely stable baseline of the dual flow refractive index detector. These features ensure excellent reproducibility of retention times and consistent results from run-to-run, day-to-day, and system-to-system. EcoSEC Elite can be combined with optional UV, light scattering and viscometer detectors. Semi-micro GPC saves solvent, sample amount, analysis time and waste disposal costs.

EcoSEC-HT is a compact high temperature (HT) system for GPC analysis. It provides stable thermostatization up to 220° C. Autoinjector, pumps, and a dual-flow RI detector are integrated in a compact design. The optional sample processing unit can process up to 24 samples. The TSKgel GMHHR- HT2 GPC columns were developed to ideally complement the EcoSEC-HT.

EcoSEC Elite and EcoSEC HT are fully controlled by the EcoSEC workstation software.