

WEBINAR series



29 May 2025
11:00 CEST

Join us for the webinar, presented in collaboration with Agilent Technologies, to learn about the latest innovations in chromatography. This series of events is designed to meet modern labs' evolving needs.

Webinar title

**The Universal Language of Polymers analysis:
How GPC Provides Critical Insights for Diverse Industries**

Short description

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Gel Permeation Chromatography (GPC) is a vital analytical technique that provides critical insights across diverse industries. In pharmaceuticals, GPC aids in drug development and ensures quality control by characterizing polymers used in drug delivery systems. In biotechnology, it is essential for protein analysis and vaccine development, helping determine the size and purity of biomolecules. Environmental science benefits from GPC through pollution monitoring and studying polymer degradation processes in water and soil. In materials science, GPC is crucial for polymer research and quality assurance, ensuring the performance and reliability of materials. The food industry uses GPC to analyze food additives and packaging materials, ensuring safety and quality. In the speciality chemicals sector, GPC helps in the formulation and quality control of various chemical products. Additionally, the polymer industry relies on GPC for developing new materials with specific properties and for quality assurance. Overall, GPC's ability to analyze molecular weight distribution drives innovation and supports advancements in various fields.



Key learning points

- system configurations,
- advanced detector selections,
- applications case studies,
- how to use GPC system in lab,
- how to avoid general challenges during the analysis
- tips and tricks.

Speaker

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