

Explore the Benefits of Empore™ Membrane Solid Phase Extraction Products in LC/GC Sample Preparation



LIVE WEBCAST

Thursday, September 16, 2021
11am EDT | 8am PDT | 4pm BST | 5pm CEST

Presenter



Dr. Michael Apsokardu
Empore Product Manager
CDS Analytical

Moderator



Alissa Marrapodi
Custom Content Editor
LCGC



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Event Overview

Empore™ SPE products utilize particle-loaded membrane technology to extract analytes onto sorbent particles that are trapped within a tightly packed, inert polymer matrix. This technology has a dense and uniform extraction bed which helps to bring the elution volume down to 75 µL, increase flow rates up to 750 mL/min, generate extracts with no fine particle shedding, and reduce channeling effects. Empore™ 96-well SPE plates can also be used as both regular SPE plates and micro-elution SPE plates with sample sizes as low as 25 µL owing to its special particle-loaded membrane design. The application roadmap presented in this webinar will analyze specific case studies in pharmaceutical, toxicological, proteomics, and environmental disciplines, such as SVOCs in drinking water and wastewater samples, detection of Gleevec™ and its metabolite of Acute Myeloid Leukemia, anti-doping chemical monitoring at Olympic WADA labs, and peptide desalting and fractionation in proteomics research with application to COVID-19 detection.

Key Learning Objectives

- Learn how Empore™ membrane thickness and uniformity are related to recovery percentage, efficiency, sensitivity, and reproducibility
- Learn about the Empore™ application roadmap for selecting sorbents for specific applications
- Learn about specific applications in pharmaceuticals, life science, and environmental fields
- Learn how sample throughput of disks and cartridges can be maximized through the use of SPE all-in-one workstations, like the Empore™ EZ-Trace workstation

Who Should Attend

- Scientists incorporating sample preparation procedures into their workflows for the development of LC/GC methods
- Scientists working in pharmaceutical, toxicology, or proteomics sample preparation applications
- Scientists doing waste and drinking water testing in environmental testing labs

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mdevia@mjhlifesciences.com