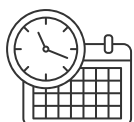


WEBINAR series



22 May 2025
10:00 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

**Microplastics Analysis Technologies from Agilent: Overview, comparison, and benefits from the different techniques
IR & GCMS/Pyr/TD/TED**

Short description

Reports on the omnipresence of microplastics have focused mainly on their presence in the environment, but there is growing interest in investigating the impact of microplastics in the food we eat. We invite you to the webinar about Agilent solutions for microplastics analysis: two complementary techniques will be approached:

- LDIR (Laser Direct Infrared)
- GC-MS Technology (Gas Chromatography-Mass Spectrometry)

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MS Teams

Both techniques are essential for the assessment and monitoring of environmental or food pollution by microplastics and the subsequent development of mitigation strategies.

LDIR technology utilizes a quantum cascade laser detector (QCL) for infrared spectroscopy that offers the ability to process samples in minutes to hours instead of days and also provides an imaging component. GC-MS allows the identification and quantification of microplastics by analyzing the volatile and semi-volatile compounds released after pyrolysis or thermal desorption of the sample. This method offers high sensitivity and specificity allowing the detection of trace microplastics in complex matrices, during this webinar we will present the different options available for microplastics analysis using GCMS detection: Pyr-GCMS, TD-GCMS or TED-GCMS.



Key learning points

- The worldwide microplastic problem
- Clear overview of Microplastic analysis techniques
- Advantages & Benefits for the different techniques
- Comparison of Pyr-GCMS, TD-GCMS or TED-GCMS
- Norms in place
- Sample preparation overview
- How is the Reporting and Results

Speakers

Bryan White

GC, GCMS Product Specialist UK and Ireland,
Agilent Technologies

Jan Wülfken

Product Specialist Molecular Spectroscopy
EMEA IDO, Agilent Technologies