

Invitation to Agilent Live Webinar / Microplastics Webinar Series 1

Fast and Automated Microplastics Particle Analysis by LDIR: A Live Demo

 March 11th 2021 | 11:00 a.m. SGT


Microplastics Analysis in Minutes, Not Hours

This webinar introduces the recent hot topics of microplastics and Live Demo of Microplastics analysis by LDIR.

Microplastics in the environment are fast coming into focus as we are beginning to understand just how far these man-made products have infiltrated ecosystems and food chains alike. The use of plastics has been growing for decades, and now small plastic microbeads are also used in everyday products such as cosmetics, toothpaste and personal care products. Contamination in our waterways, air and food (e.g., bottled water) from these microplastics (1 micron to 5 mm in size) is gaining significant public interest due mainly to their emergence as an environmental and potential human health threat.

The new 8700 LDIR Chemical Imaging system, with a fully automated workflow for microplastics, changes the game. Gone are days where an expert spectroscopist needs to fill detectors with liquid nitrogen before setting up a complex system for a 4-hour scan, all that before the computer needs to process gigabytes of data per sample. The 8700 LDIR provides all the benefits of mid-infrared spectroscopy in one easy to use and fast solution.

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What you will learn

- Recent Microplastics topics
- How to optimize microplastics analysis with quantum cascade laser (QCL) based infrared imaging
- A new efficient and automated workflow for microplastics analysis
- The workflow of the 8700 LDIR

Who should attend

- Microplastics researchers
- Microplastics analysts from commercial, QA or research labs seeking faster and easier analysis methods
- Those interested in contamination of wastewaters, seawater, fresh water, air, sediments, and food (such as fish, shellfish, crustaceans and bottled water)

Presenter



Darren Robey
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