

November 3, 2021 (11:00-11:45, CET)



The Power of Precision

VENDOR WEBINAR:

Advancements for Food and Environmental Testing with the ZenoTOF 7600 System

Advancements for food and environmental testing with the ZenoTOF 7600 system

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The ever-growing global demand for food supply has led farmers and producers to focus on optimizing yields, frequently using pesticides and other synthetic chemicals, which will unavoidably end up in the food chain. In order to ensure consumer safety and food integrity, testing for adherence to regional and international requirements is necessary to monitor for chemical residues, including pesticides in addition to natural fungal toxins and microbiological hazards. Traditionally, residue analysis has been performed by triple quadrupole mass spectrometry, due to its sensitivity and quantitative power, and most food laboratories are accustomed to the ease of use and high performance of such instruments. Accurate mass instruments can offer additional levels of confirmation; however, they have traditionally suffered from a lack of sensitivity and precision, especially when performing MS/MS experiments to meet the testing requirements for the regulatory guidelines. The new ZenoTOF 7600 system is set to remove these limitations and open up the technique to labs wishing to increase coverage and confidence in food testing.

This webinar will cover:

- Novel MS technologies to elevate accurate mass sensitivity for MS/MS
- The potential of a new fragmentation option for confirmation and identification
- Examples of the application to pesticide residue screening and confirmation