Exploring Four Capabilities that are Defining the Future of ICP-MS

ICP-QQQ Educational Webinar – Part 1

Webinar

Speaker:
Abelardo Gutierrez
ICP-MS Product Specialist
Agilent Technologies

Wednesday May 30th, 2018

Broadcast #1 – Europe
2:00 pm BST
3:00 pm CEST

Broadcast #2 – North America
11:00 am EDT
8:00 am PDT

On Demand Webinar

(post 30th May 2018)

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Analytical laboratories' demands on their instrumentation are increasing relentlessly.

Requirements for simplified method development and more streamlined routine workflows are combined with the need for ever-lower detection limits and improved accuracy in difficult sample types.

This webcast will describe some of the unique characteristics of a tandem MS instrument and will explain the new modes of operations offered by Agilent's 8900 ICP-QQQ. MS/MS capabilities ensure consistent and controlled reaction chemistry in the collision/reaction cell, delivering the most accurate results across a range of applications, while eliminating the variability and complexity associated with reactive cell gas methods on single-quadrupole and bandpass instruments.

Key Learning Objectives:

- Learn about different configurations of ICP-MS and how they work.
- Understand how double mass selection (MS/MS) unleashes the true power of reaction chemistry and facilitates the selection of optimum methods for controlling spectral interferences.
- See how MS/MS enables unique approaches to method development, characterizing potential interferents in any sample matrix, and identifying the best product ion(s) to ensure the most accurate and reliable results.
- Hear examples of practical uses of MS/MS to improve data quality in research and routine analysis, presented in a clear and accessible way.

Who should attend

This webcast will be of value to lab managers, researchers and analysts in commercial, research and academic laboratories involved in inorganic/elemental analysis. The subject matter will be of particular interest to users and potential users of ICP-MS who need the highest level of certainty in their analytical results.

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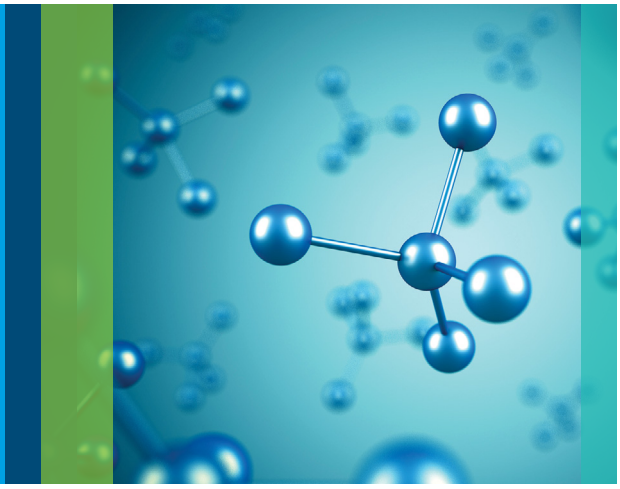
How MS/MS Can Improve Your ICP-MS Data Quality, Whatever Your Application

ICP-QQQ Educational Webinar – Part 2



Webinar

Speaker:
Bert Woods
ICP-MS Applications Chemist
Agilent Technologies

Wednesday July 11th, 2018

Broadcast #1 – Europe
2:00 pm BST
3:00 pm CEST

Broadcast #2 – North America
11:00 am EDT
8:00 am PDT

On Demand Webinar

(post 11th July 2018)

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Conventional single quadrupole ICP-MS instruments with helium mode collision–reaction cells (CRCs) produce acceptable results in the vast majority of routine trace metal or elemental impurity measurements. But data quality can be compromised by the presence of more intense or problematic spectral interferences, especially in cases where low analyte levels combine with complex and variable sample types.

The solution to these analytical challenges is to use a double mass selection approach, known as tandem MS or MS/MS, using a triple quadrupole ICP-MS instrument. MS/MS allows precise control of the interference removal process using reactive cell gases, giving reliable, accurate results for interfered elements.

The benefits of ICP-QQQ with MS/MS have been widely accepted in industries where data quality is key, as well as proving invaluable in research applications. Now the need for greater certainty and improved data quality is leading to adoption of ICP-QQQ with MS/MS for more typical ICP-MS applications. In this webinar, we'll discuss examples that explain why.

Key Learning Objectives:

- See how MS/MS can identify and resolve the hidden interferences that may be causing errors in your ICP-MS trace element data.
- Find out how method development tools unique to ICP-MS/MS can help you select the best cell gas and analyte product ions for your application.
- Understand how MS/MS can simplify your ICP-MS analysis, by allowing you to use consistent reaction methods for varied samples.
- Learn how triple quadrupole ICP-MS improves detection limits and allows access to elements not traditionally run on ICP-MS.

Who should attend

- Lab managers and analysts responsible for producing high quality data in trace-metal and elemental impurity labs will benefit from this webinar.
- If you need to understand and address the potential sources of error in your ICP-MS data, this is the event for you.

Published in the USA, May 25, 2018
5991-9472EN

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