



## CLEARLY BETTER TOGETHER ATOMIC SPECTROSCOPY SOLUTIONS

Agilent Technologies, the market leader in ICP-MS, is now your premier resource and partner for atomic spectroscopy. With the 2010 addition of Varian's world-renowned AA and ICP-OES products, Agilent now offers you a comprehensive range of inorganic analytical instrumentation.



The Measure of Confidence



**Agilent Technologies**

# INSTRUMENTS TO SUIT EVERY NEED

- AA: The most complete range of AA instruments including flame, furnace, Fast Sequential, Zeeman and the world's only simultaneous flame/furnace systems.
- ICP-OES: Including dedicated axial and radial viewing with the world's most popular, best performing and fastest ICP-OES platform.
- ICP-MS: Delivering unparalleled performance across a range of applications, with high matrix tolerance, He mode collision/reaction cell for reliable interference removal, and 9 orders linear dynamic range detector.

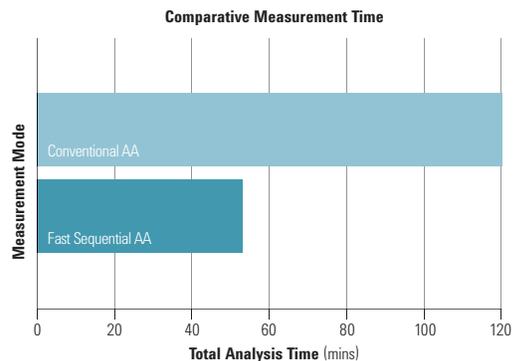


## AA ATOMIC ABSORPTION SPECTROSCOPY



Agilent's comprehensive AA range is productive, user-friendly and utterly reliable. The range enables analysts to extend their performance and output boundaries, while being equally at home in routine labs where reliability and simple operation are vital.

- Agilent's 50/55 AA standalone instruments are rugged and reliable, making them ideal for remote sites and harsh environments.
- Agilent's 140 and 240 AA combine flexibility with reliable hardware, providing budget-sensitive users a high performance AA for routine flame/furnace/vapor analyses.
- Agilent's 240FS/280FS are the world's fastest and most productive flame AA systems, with Fast Sequential capabilities ensuring high performance and lower running costs. Able to handle multi-element suites with ease, they are ideal for food and agriculture or any high throughput labs.
- Agilent's 240 and 280 AA Zeeman Graphite Furnace AA systems are productive and precise, providing superior furnace performance and accurate background correction.



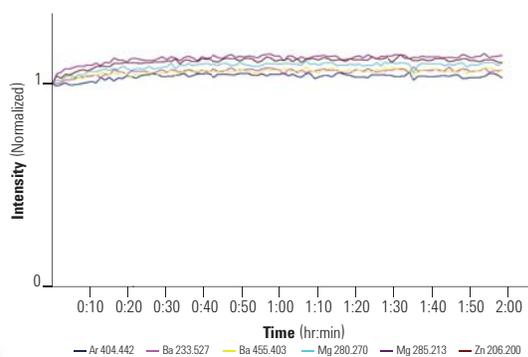
Fast Sequential AA reduces the analysis time by over 55 %, so you can save money, and run more samples. Precision remains exceptional at < 0.4 % RSD.

# ICP-OES INDUCTIVELY COUPLED PLASMA OPTICAL EMISSION SPECTROSCOPY



Agilent's ICP-OES range offers the finest performance, speed and flexibility. With application-optimized one view axial and radial versions available, the range covers the needs of all users from budget conscious labs to those requiring unrivalled performance and productivity.

- Agilent's 710 Series features a solid state CCD detector, ideal for laboratories with moderate sample loads that value uncompromised performance. Easy to use, the 710 Series is also well suited to educational institutes and industries that need to comply with WEEE/RoHS directives.
- Obtain maximum productivity and performance with Agilent's 720/730 Series. Featuring a custom-designed CCD detector, the 720/730 Series is the world's most flexible, best performing and fastest ICP-OES platform.



*Exceptionally fast warm-up time allows analysis to begin less than 10 minutes after plasma ignition, whereas competitive systems can keep you waiting for up to two hours. Faster start-up means you start measuring samples sooner and reduces operating costs.*

# ICP-MS INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY



Completing Agilent's line-up of inorganic analytical instrumentation is the Agilent 7700 Series ICP-MS. The 7700 Series has redefined the capability of ICP-MS with unique and innovative technologies that provide unparalleled performance.

- The high temperature plasma of the 7700 provides more complete matrix decomposition, improving stability, minimizing interferences and reducing maintenance. The 7700x also benefits from Agilent's high matrix introduction (HMI) capability, which extends matrix tolerance up to 3% total solids, and virtually eliminates matrix suppression.
- Agilent's unique 3rd generation Octopole Reaction System (ORS3) operates effectively in He mode to remove polyatomic interferences that would otherwise bias results.
- The detector provides a true 9 orders linear dynamic range, reducing over-range results, and the number of re-runs while improving productivity.

Agilent's 7700 Series is designed for tough lab environments, while delivering savings through higher productivity, simpler method development, shorter training times and lower service costs.

# THE COMBINED BENEFITS OF TWO LEADERS IN ATOMIC SPECTROSCOPY

With the 2010 addition of Varian, Inc., Agilent now offers an even greater range of instrumentation and the most comprehensive columns and supplies portfolio in the market. Just as important are the best-in-class service and technical support teams, focused on finding solutions for our customers. Agilent is here to provide the technology — and *the Measure of Confidence* — you need to be successful.

## An expanded portfolio of solutions from the leader in ICP-MS

The new range of Agilent AAS, ICP-OES and ICP-MS instruments offers unmatched performance, and the highest level of reliability and ease-of-use. The instruments are backed by a combined global network of dedicated and experienced support staff.

The industry's widest range of columns and supplies ensures that your Agilent Atomic Spectroscopy instruments will perform for the long term. Agilent also manufactures its own range of AA lamps to guarantee performance and reliability.

## Your premier partner for Atomic Spectroscopy Solutions

Agilent is committed to continued product development across our entire range of atomic spectroscopy product lines. We are dedicated to delivering to you innovative technology, best-in-class quality and reliability, and unmatched support.



**Our catalogue of new applications is ever growing.**

To learn about the latest, contact your local Agilent Representative or visit us at:  
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**Find out how Agilent's Atomic Spectroscopy Solutions can deliver the productivity, reliability and accuracy you need.**

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Availability of chemicals dependent upon import restrictions.

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