



## PerkinElmer's New Avio™ 200 ICP-OES Delivers Multi-Elemental Inorganic Analysis for Wide Range of Applications

### *Industry's Smallest ICP-OES Helps Researchers Test Complex Food, Industrial and Environmental Samples*

**WHAT:** [PerkinElmer, Inc.](#), a global leader focused on improving the health and safety of people and the environment, today announced the launch of the [Avio™ 200](#) Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES), the industry's most compact system designed for efficient multi-elemental inorganic analysis. This innovative technology helps laboratory professionals running inorganic analyses and facing an expanding range of sample types to test difficult, high-matrix samples without the need for dilution.

The Avio 200 system has the matrix tolerance to handle a wide variety of samples and to test across a broad set of applications such as: nutrients analysis for nutritional labeling; compliance with the RoHS Directive, an industry restriction on the use of certain hazardous substances in electrical/electronic equipment; analysis of soil micronutrients; determination of trace elements in water; and evaluation of metal levels in toys.

**WHY:** “With industry regulations becoming more complex and driving testing for more elements, lab professionals find themselves challenged with managing the associated higher sample volume and time-consuming analyses,” said Jon DiVincenzo, President, Environmental Health, PerkinElmer. “The Avio 200 system is our latest innovation in ICP instrumentation engineered to help our customers run multi-elemental analyses reliably and efficiently across food safety, industrial and environmental applications for better health outcomes.”

**HOW:** The Avio 200 system is designed to help laboratory professionals enhance their productivity through its ability to deliver increased uptime and minimal maintenance.

The system features a vertical plasma design for greater sample flexibility, low argon consumption (via patented Flat Plate™ plasma technology), and fast start up from power on for enhanced productivity. It also offers high sensitivity and resolution, along with a wide linear range by means of its unique dual optical viewing technology.

Laboratory professionals running inorganic analyses that need to measure more than one element at a time can now leverage the Avio 200 system for multi-element analyses with the same ease of use as atomic absorption (AA), but without the flammable gases. The system is also as cost-efficient and cost-effective as AA

technology without the need to purchase lamps when running new elements. The system also leverages the cross-platform [Syngistix™ software](#) for atomic spectroscopy for a seamless transition from AA to ICP software.

**MORE:** For more details on the Avio 200 system and Syngistix for ICP software, please [click here](#).

PerkinElmer, Inc. is a global leader focused on improving the health and safety of people and the environment. The Company reported revenue of approximately \$2.3 billion in 2015, has about 8,000 employees serving customers in more than 150 countries, and is a component of the S&P 500 Index. Additional information is available through 1-877-PKI-NYSE, or at [www.perkinelmer.com](http://www.perkinelmer.com).

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