



March 4, 2015

## PerkinElmer to Launch Innovative Laboratory Technologies at Pittcon 2015

*Instruments, Software and Services Help Customers Perform Advanced Detection and Analysis*

**WHAT:** [PerkinElmer, Inc.](#), a global leader focused on improving the health and safety of people and the environment, today announced that it will introduce several new detection and analytical instruments at the Pittcon 2015 Conference & Expo, the world's largest annual laboratory science event.

"This international forum for lab professionals is the perfect venue for introducing our breakthrough solutions for environmental, industrial and food safety testing and analysis," said Jon DiVincenzo, President, Environmental Health, PerkinElmer. "The combination of our advanced instruments, software and services can help scientists gain critical insights to significantly impact the safety and quality of the food we eat, water we drink and air we breathe."

**WHEN:** March 8-12, 2015

**WHERE:** Ernest N. Morial Convention Center, New Orleans (Booth #1026)

**ON DISPLAY:**

PerkinElmer will highlight several new offerings spanning a range of capabilities including chromatography, materials characterization and elemental analysis:

[Altus™ UPLC®](#): an advanced LC system providing high throughput and faster, higher resolution chromatographic separations. Scientists in environmental, industrial and applied markets can use this system for detecting adulterants, contaminants and pollutants. Controlled through the industry-leading [Waters® Empower® 3 Chromatography Data Software \(CDS\)](#), it features LC particle technology and instrument design combining advanced fluidics with hybrid particle columns for superior performance at elevated pressure levels, with minimal volumes and flow paths.

**Altus™ HPLC:** a fully integrated, easy-to-use and maintain LC system delivering reliable, precise, and reproducible results for analyses such as preserving the integrity of food ingredients, maintaining clean water, air and soil, and testing chemicals and industrial materials to meet environmental standards. This system offers a full spectrum of high sensitivity detection modules and is controlled through the Empower® 3 CDS, with a comprehensive array of data integrity and compliance features.

**PinAAcle™ 500:** a fully-integrated, flame-only atomic absorption (AA) spectrometer ideal for labs needing an easy-to-use, high-performance flame AA for detecting metals and metalloids in environmental samples. With a touch screen interface with the flexibility to operate via its Syngistix Touch™ or Syngistix™ for AA Software, the PinAAcle 500 spectrometer can be coupled with a new **FAST Flame sample automation accessory**, providing the lowest cost-per-element flame AA.

**Spotlight™ FT-IR Microscope Systems:** designed for scientists specializing in materials, pharmaceuticals, academia, forensics, biomedical and biomaterials whose samples demand higher sensitivity and simpler analysis and workflows. The systems perform a tasks ranging from automated setup to complete characterization in rapid time, while delivering quick, high-quality results.

PerkinElmer offers two FT-IR options with Spotlight Microscope systems:

**Spectrum Two™ system:** combines performance and low-maintenance design and is suited for everyday use regardless of user skill level.

**Frontier™ FT-IR system:** delivers high sensitivity, configurability and flexibility, with an upgradable optical system and broad range of accessories for more complex analyses as users' research and analytical needs expand.

**LAMBDA™ 265 365 465 UV/Vis Systems:** a family of benchtop-friendly UV/Vis instruments offering a variety of spectral bandwidths to accommodate a wide range of analytical functions related to materials testing, QA/QC and R&D. Lab professionals in environmental, food, industrial, pharmaceutical, and life sciences industries can use these instruments for water and soil contamination testing, food color analysis, DNA/protein quantification, and academic teaching and research.

**Perten® DA 7250 NIR Analyzer:** a diode array based NIR instrument that analyzes samples of grains, flakes, pellet powders, pastes, slurries and liquids in six seconds and can determine moisture, protein, fat, ash, starch and many other parameters with accuracy. Available factory calibrations cover a wide variety of products and parameters and are built from a global database of hundreds of thousands of samples.

PerkinElmer will also showcase several additional products and services at its booth including:

**Elm™ network:** a breakthrough air monitoring service that provides customers and communities with micro-scale, real-time air quality information for better insights into the air people are breathing.

**AxION® iQT™ GC/MS/MS:** a mass spectrometry instrument with Cold EI source technology, designed to facilitate targeted and non-targeted compound analysis for applications including analyzing petrochemicals and fuels for properties, screening food for quality, safety and authenticity, testing compounds in forensic toxicology, and performing trace evidence analysis for crime scenes.

**AxION® DSA:** a sample introduction technology that provides an alternative to front-end GC or LC systems, with no up-front chromatographic separation or lengthy method development required and minimal sample preparation. Analytical labs specializing in food, forensics, environmental, pharmaceutical and industrial research use the AxION DSA to significantly save analysis time.

**AxION® 2 TOF MS:** a mass spectrometry instrument providing detection capabilities designed to simplify and streamline analytical workflows requiring full spectrum capability, speed, sensitivity, or dynamic range. It offers exceptional sensitivity, along with PerkinElmer's patented TrapPulse™ capability, for use in environmental, forensic, metabolite identification, impurity profiling, food safety, nutraceutical, or product degradation analysis.

**NexION® 350 ICP-MS:** an atomic spectroscopy product operating on PerkinElmer's **Syngistix™ for ICP-MS Software.** The NexION 350 instrument is designed to enable greater efficiencies in elemental analyses, delivering the most accurate characterization of nanoparticles available in the marketplace. Syngistix for ICP-MS Software, a proprietary workflow-based platform, features an intuitive interface and automated method setup tools for faster, more efficient implementation.

**Syngistix™ Nano Application Module:** an extension of PerkinElmer's Syngistix for ICP-MS Software and NexION 350 ICP-MS, combining real-time single particle acquisition and with fast data processing. Key enhancements include the use of reaction cell chemistry for improved performance of key elements such as Fe and Si.

**Syngistix™ for ICP-MS Enhanced Security™ Software:** a supplement to Syngistix for ICP-MS Software and the NexION 350 ICP-MS. The software delivers capabilities to help labs comply with government regulations such as the U.S. FDA's 21 CFR Part 11. It also provides a user-friendly experience and additional security features to assist with adhering to quality protocols.

**Clarus® SQ 8 GC/MS:** an instrument that delivers reliable throughput and productivity for applications with extreme sensitivity such as environmental and food testing. It is designed around Clarifi™, a highly sensitive GC/MS detector which uses electron technology to provide sensitivity and longer operational lifetime. Its SMARTSource™ technology enables sophisticated access, ease of use, and maintenance, resulting in increased uptime and reduced operating costs.

**OneSource® Laboratory Services:** a global team of certified, factory-trained customer support engineers that help reduce lab complexities and increase efficiencies. OneSource laboratory services include information services, compliance, asset informatics and analytics, lab relocation, scientific services and multivendor instrument service and repair.

PerkinElmer's informatics offerings on display at the booth will include:

**TIBCO Spotfire® Platform:** a collaborative interface assimilating data from multiple sources such as chemical structures, text, numbers, images, chemical properties, and biological assays. It helps scientists perform complex analyses and develop easy-to-use visual dashboards. Researchers can create enhanced data visualizations quickly and efficiently from the data of one or multiple instruments. It also includes pre-built dashboards for soil, water, USP 232, food quality and safety, oil (motor), testing labs, chemicals, and nanomaterials.

**E-Notebook™:** an electronic lab notebook (ELN) for chemists and biologists in pharmaceutical, biotech, chemical, food/flavor/fragrance and petrochemical industries and in academia and government institutions. The ELN replaces traditional paper notebooks, helping scientists save time on data entry and repetitive calculations. It integrates with documents, spread sheets, presentations and image files and enables researchers to share results with their colleagues.

**Connector for SAP for QA/QC Lab Procedures:** provides seamless integration between SAP or SAP QM lab instruments or data systems, such as ELNs, LIMS and SDMS, to support lab workflows, improve data management efficiency and help meet lab requirements.

## **ABOUT**

### **PERKINELMER:**

PerkinElmer, Inc. is a global leader focused on improving the health and safety of people and the environment. The Company reported revenue of approximately \$2.2 billion in 2014, has about 7,700 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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