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PerkinElmer to Display Laboratory Technologies for Environmental and Human Health Researchers at Analytica 2016

Advanced Detection, Imaging and Diagnostics Solutions for Today's Modern Laboratory

WHAT: PerkinElmer, Inc., a global leader focused on improving the health and safety of people and the environment, today announced that it will showcase several of its innovative solutions at Analytica 2016, the international trade fair for laboratory technology, analysis and biotechnology in Munich, Germany.

"We are pleased to highlight our wide range of instruments, software and services with this global audience of environmental health and life sciences researchers, from throughout Europe at this year's event," said Martin Greber, Sales Leader, Environmental Health, Western Europe. "Our innovative solutions help customers gain critical insights into important environmental and life science research and help maintain cleaner air, soil and water, safer food, better understand life-threatening diseases, bring therapeutics to market more rapidly, and advance their genetics research."

WHEN: May 10-13, 2016

WHERE: Messe München, Munich

- Hall A2, Booth #502 (Environmental Health offerings)
- Hall A3, Booth #330A (Life Sciences and Diagnostics offerings)

ON DISPLAY: PerkinElmer will highlight the following solutions for environmental health research in Hall A2, Booth #502:

Torion® T-9 GC/MS: the smallest portable GC/MS instrumentation available for analyses outside of the lab in the field. The system rapidly screens chemicals, including environmental volatiles and semivolatiles (VOCs/SVOCs), explosives, chemical warfare agents, and hazardous substances. It can also be used in food safety and industrial applications. The system is fully self-contained, weighs 32 pounds and is rechargeable battery operated.

TGA 8000™ thermogravimetric analyzer: provides scientists with advanced analysis capabilities for materials characterization in polymers, pharmaceuticals, chemicals and food. Its applications include identifying harmful chemicals in soil, quantitating components in polymers, determining leachables that may contaminate a product's packaging, and identifying phthalates in PVC samples.

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.

Altus™ UPLC® system: 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 fluidics with hybrid particle columns for superior performance at elevated pressure levels, with minimal volumes and flow paths.

PinAAcle® 500 spectrometer: 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 the FAST Flame sample automation accessory, providing the lowest cost-per-element flame AA.

Spotlight™ FT-IR microscopy 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 tasks ranging from automated setup to complete characterization in rapid time, while delivering quick, high-quality results. Their applications include: polymer characterization, identification of contaminants in the manufacturing process, detection of microplastic particles in cosmetics, and analysis of automobile paint chips.

- Spectrum Two™ system: combines performance and low-maintenance design and is suited for everyday use regardless of user skill level.
- Spotlight 200i FT-IR system: designed to generate high-quality, reproducible data from a variety of sample types.

LAMBDA™ 465 UV/Vis system: a benchtop-friendly UV/Vis instrument 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.

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

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.

PerkinElmer will showcase these solutions for life sciences researchers (Hall A3, Booth #330A):

Operetta® CLS™ High-Content Analysis System: enables scientists to gain deep biological insight into disease research from common assays and complex applications using advanced cellular models, and to identify even subtle phenotypic changes through sensitive imaging and intuitive data analysis. Speed, sensitivity and high resolution are achieved through the unique combination of automated water immersion objectives that deliver better quality image data, stable LED illumination, true confocal optics and a sensitive, high resolution sCMOS camera. Controlled by PerkinElmer's Harmony® high-content imaging and analysis software that provides a simple-to-use, streamlined workflow, scientists can utilize the system to conduct their own analysis and customize as needed to an application.

cell: Explorer™ workstation: a robotic automation platform offering integrated automation and cellular analysis and detection to simplify complex high throughput configurations including a

new G3 liquid handling workstation.

LabChip® NGS 3K assay: minimizes consumption of rare sample types and provides enhanced workflows for genomics and cancer research as well as drug development research and non-clinical next generation sequencing. Using the NGS 3K assay with PerkinElmer's LabChip platform, researchers can quantitate DNA using very small concentrations of sample, which is especially important for rare or precious sample types where repeat sequencing is not an option.

LabChip® GX Touch HT instrument: utilizes PerkinElmer's microfluidics technology to perform reproducible, high-resolution, electrophoretic separations. Genomics researchers can analyze RNA integrity for better gene expression data and assess PCR fragments for resequencing applications. Using the NGS 3K assay with PerkinElmer's LabChip platform, scientists can quantitate DNA using very small concentrations of sample.

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 will display the following diagnostics solutions Hall A3, Booth #330A:

chemagic™ 360 instrument: utilizing PerkinElmer's award-winning chemagen technology platform, the chemagic 360 instrument offers increased flexibility in automated DNA/RNA isolation when working with various clinical materials (blood, saliva/plasma), sample volumes (10 µl-10 ml) and throughputs (1-12, 1-24, 1-96) on a compact, benchtop instrument. Researchers leverage PerkinElmer's chemagen offerings to simplify their workflows for a wide range of next generation sequencing and PCR applications in the field of human genetics/biobanking, HLA typing, pathogen detection, and viral identification.

chemagic Prepito®-D instrument: a compact bench top solution for DNA/RNA isolation which represents the top quality sample preparation system now available as a compact CE IVD marked bench top instrument. The chemagic Prepito-D instrument utilizes many years of experience in automated, magnetic bead based nucleic acid isolation, delivering high yield and purity DNA/RNA that are integral to the success of downstream applications.

| 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 $2.3 billion in 2015, has approximately 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. |

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