



PerkinElmer Introduces QSight® 400 Series Triple Quad Mass Spectrometer at MJBizCon 2018

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Definitive LC/MS/MS instrument offers analytical capabilities to meet all international cannabis pesticide testing limits

LAS VEGAS – MJBizCon, Booth #4722 – November 14, 2018 – [PerkinElmer, Inc.](#), a global leader committed to innovating for a healthier world, today announced the launch of its [QSight® 400 Series Triple Quad Mass Spectrometer](#), a highly sensitive analytical instrument designed for rapid identification and quantitation of pesticides, mycotoxins and emerging contaminants in complex food, cannabis and environmental testing applications.

For cannabis and hemp analysis, the high sensitivity of the QSight 400 Series supports laboratories in meeting state and federal regulations. PerkinElmer has developed a single LC/MS/MS method that meets pesticide and mycotoxin regulatory requirements—at levels well below state action limits, including California's. Preliminary studies in cannabis flower, extracts and edibles also demonstrate the QSight 400 Series' ability to meet new federal regulations in Canada, which set action limits nearly 10 times lower than California's stringent list.

The QSight 400 Series not only offers the latest capabilities to meet current and future regulatory and market requirements, but also uniquely pairs with PerkinElmer's deep domain expertise and complementary detection technologies, software and laboratory services to enable labs to succeed.

"The QSight 400 Series, combined with PerkinElmer's scientific expertise in method development, enables cannabis testing labs to screen and quantitate residues with a single instrument. Supported by PerkinElmer's product specialists, application scientists and post-installation professional services, our turnkey solutions are designed for new and evolving regulatory standards across all industries," said Greg Sears, Vice President and General Manager, Organic, Discovery & Analytical Solutions, PerkinElmer.

While traditional analytical methods leverage a two-system technology approach of GC-MS/MS and LC/MS/MS, the QSight 400 Series instead utilizes a LC/MS/MS method with electrospray ionization (ESI) and atmospheric pressure chemical ionization (APCI) for low level analysis of pesticides and mycotoxins. Using dual source (ESI/APCI) technology eliminates the need for any other analytical method, including GC/MS/MS, and enables five times greater detection capabilities than current industry methods.

"Given the health risks associated with pesticides, mycotoxins and emerging contaminants in food and the environment, shorter and efficient analytical turnaround times are key to determining the presence of residues. But, many labs do not have the range of technologies necessary to meet stringent and dynamic regulations," said Sears.

Key features of the QSight 400 Series include:

- Patented StayClean™ and hot-surface-induced desolvation (HSID™) technology reduces the amount of scheduled cleaning and maintenance, helping improve throughput by 15%.
- Dual Source technology offering two separate independent ion inlets, which can be set to ESI and APCI sources—enabling the detection of a wider list of contaminants, including chlordane and pentachloronitrobenzene.

PerkinElmer also provides complementary laboratory services that help increase productivity and operational uptime:

- Complete Standard Operating Procedures – outlining required sample preparation procedures, acquisition methods and consumables, for quick GC-MS, LC-MS and ICP-MS implementation.
- Dedicated team of services professionals – offering analytical method services, asset procurement and disposition, business intelligence, qualification and validation, lab relocation, as well as instrument service and repair.

The QSight 400 Series will be on display at MJBizCon, November 14-16, in Las Vegas. For more information, please stop by booth #4722, or visit www.perkinelmer.com/qsight.

About PerkinElmer

PerkinElmer, Inc. is a global leader committed to innovating for a healthier world. Our dedicated team of about 11,000 employees worldwide is passionate about providing customers with an unmatched experience as they help solve critical issues especially impacting the diagnostics and discovery and analytical solutions markets. Our innovative detection, imaging, informatics, and service capabilities, combined with deep market knowledge and expertise, help customers gain earlier and more accurate insights to improve lives and the world around us. The Company reported revenue of approximately \$2.3 billion in 2017, serves 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.

Media Contact:

Brian Willinsky
brian.willinsky@perkinelmer.com
+1-781-913-0233