

Agilent Technologies announces the launch of Ultivo Triple quad mass spectrometer

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The Agilent Ultivo solution is set to be the most innovative, cost- efficient and smallest LC/MS solution offered in the industry.



Agilent Technologies Inc. introduced its latest product of the family of triple quadrupole liquid chromatography mass spectrometers (triple quad LC/MS) at the American Society for Mass Spectrometry Conference (ASMS), held on June 3 through June 8 in Indianapolis, Indiana. This new innovative product, Ultivo triple quad will usher in a new era of mass spectrometry. The Agilent Ultivo solution is set to be the most innovative, cost- efficient and smallest LC/MS solution offered in the industry that integrates several hardware and software innovations designed to deliver even more improved business results for customers.

In today's MS market, consumers face many pain points with larger instruments in terms of performance, downtime, data management, space management, to name a few. Ultivo delivers robust performance, superior uptime, and easier serviceability, in a footprint that is 70% smaller than the previous instruments. Customers can now significantly increase their analytical throughput without having to increase the size of their existing laboratories.

"We are a production lab experiencing some significant growth, so the ability to place more instrumentation in the same footprint in the lab is important", said Johnny Mitchell, president at ESC Lab Sciences in Nashville, TN. "Without that ability, we would be faced with some expensive construction costs to increase the size of our facilities."

In addition to its trendsetting compact size, Ultivo provides reproducible, reliable assays that result in exceptional performance in complex matrices. Greater ion transmission efficiency leads to optimized sensitivity; and improved, intelligent diagnostics use intuitive read-backs that can quickly identify issues, ensuring optimum uptime. Furthermore, Ultivo's new Vacshield vacuum provides vent-less ion injector exchange capabilities that reduce wear and tear and facilitate rapid front-end maintenance.

"Agilent prides itself on actively listening to customers, and addressing their needs through the continuous development of innovative technology solutions. Ultivo provides a revolutionary new 'fit for purpose' triple quad LC/MS, that is smaller than could've been imagined, yet delivers the superior performance usually associated with much larger instruments", said Monty Benefiel, vice president and general manager of Agilent's Mass Spectrometry Division. "We are excited by our customer's reactions so far, and expect that Ultivo will dramatically change the LC/MS landscape now, and for years to come."

Cutting edge features and benefits of the Ultivo can be marked by the fact that the new system promises increased productivity and reliability positioning it well to address challenges in fields like environmental, chemical and pharmaceutical testing, particularly in labs performing food analysis. Ultivo is optimized to address the food and environmental routine testing segments employing triple quad LC/MS systems for quantitative analysis.

The food and environmental segments are important markets for Agilent. Ultivo's seamless integration with the Agilent MassHunter Software suite provides high-performance instrument monitoring, data acquisition, analysis, and reporting for

currently regulated and emerging environmental contaminants and pollutants in our water supplies. Also, Ultivo's fine-tuning ensures rigorous accuracy, with selectivity, sensitivity, and precision monitoring, to deliver specific identification and quantitation of as wide range of contaminants, helping keep our worldwide food supplies safe.