

Agilent launches New Triple Quadrupole GC/MS Instruments

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Agilent Technologies enhanced its line of scientific instruments with two new models of the company's 7000 Series Triple Quadrupole Gas Chromatography/Mass Spectrometry systems.

Agilent is showcasing the new quadrupole GC/MS/MS instruments-along with a new analyzer for pesticides and environmental pollutants-at the North American Chemical Residue Workshop, a four-day gathering for scientists interested in developing better analytical methods, which starts today in St. Pete Beach, Florida.

"Increasingly, laboratories that test the safety of our food and water are turning to triple quadrupole GC/MS systems because their selectivity makes them better able to handle complex matrices than standard single quadrupole systems," said Monty Benefiel, vice president and general manager of Agilent's Mass Spectrometry Division. "Both of our new instruments-the 7000D and 7010B-include enhancements that not only improve analytical performance but make them easier to use than any previous triple quad GC/MS system."

Benefiel noted that Agilent's extensive single quad GC/MS installed customer base, who want to run samples on their triple quad, can open existing single quad GC/MS methods with a single mouse click using Agilent MassHunter software. "Nobody else makes it that easy to distribute your total workload among all of your available Agilent GC/MS systems, adding greater capacity to their laboratory," he said. "This capability also streamlines the transition from SIM on the single quad to MS/MS on the triple quad."

The 7010B includes Agilent's exclusive high-efficiency ion source, which enhances the instrument's sensitivity by a factor of 10. Both models are also available with Agilent's patented JetClean self-cleaning ion source. Using a carefully controlled hydrogen flow, the JetClean source readily removes matrix deposits, which can build up over time and compromise instrument performance.

Agilent's fourth-generation Pesticides and Environmental Pollutants Analyzer based on the 7010B provides laboratories with a turnkey solution for detecting, identifying and quantifying pesticides in food and environmental matrices. It also takes advantage of new dMRM capability in MassHunter Acquisition and a new pesticide database that includes matrix optimized transitions to confidently detect contaminants in food and water samples.