

## News Release

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# Waters Family of Xevo Mass Spectrometers Feature New Dual Mode APCI/APPI<sup>®</sup> Source Incorporating Syagen<sup>®</sup> PhotoMate<sup>®</sup> APPI Technology.

## Waters XEVO MS systems with dual mode APCI/APPI source offer users the unique capabilities of photoionization, along with enhanced workflow functionality

Syagen is pleased to announce that a new dual mode APCI/APPI source is now available on the Waters<sup>®</sup> family of Xevo<sup>™</sup> mass spectrometers. This new source seamlessly incorporates PhotoMate APPI technology, from Syagen, the leader in atmospheric pressure photoionization (APPI) for liquid chromatography mass spectrometry (LC/MS) instrumentation.

The Xevo source significantly improves on previous ionization sources by implementing a fully integrated design, to maximize the performance of each and all of the components. Syagen and Waters worked together on the APPI engineering to ensure its direct integration with the source housing for better efficiency and coupling to the ionization region and the MS inlet.

APPI is a key part of the growing PhotoMate<sup>®</sup> line of products from Syagen and is widely recognized as an essential tool in the LC/MS arsenal. APPI can ionize important classes of compounds that are missed by electrospray (ESI) and atmospheric pressure chemical ionization (APCI), particularly those compounds with non-polar or electron-withdrawing groups such as halogen and nitro groups. APPI functions over a wide range of flow rates and is also less prone to ion suppression. With rapid switching capabilities between APPI and the complementary APCI mode enabling simultaneous detection, the versatility of this technology can enable laboratories to achieve greater compound detection coverage with the minimum disruption of their workflow, maximizing asset utilization and increasing laboratory efficiency.

Dr. Jack Syage, CEO of Syagen said "We place deep value on the collaborative nature of our relationship with Waters and are delighted that they resolved to make APPI an integral part of their Xevo source. The Xevo/APPI source will give Waters LC/MS users unprecedented power and capabilities spanning the widest range of chemical analysis applications."

Ed Sprake, SQ Product Manager for the Waters Division, commented "The Xevo dual mode APCI/APPI source, which incorporates Syagen's PhotoMate APPI technology, is a highly valued part of the extensive suite of ionization options Waters provides to our customers. Integrating PhotoMate APPI with the Xevo source design will enable our customers to take advantage of the latest improvements and extensions to our robust Z-Spray<sup>™</sup> source with compound classes that are notoriously difficult to ionize, such as PAH's and steroids."

### About Syagen ([www.syagen.com](http://www.syagen.com))

Syagen Technology, Inc. is an analytical instrument company developing mass spectrometry products and technology for high-speed molecular analysis in a broad range of chemical analysis applications, ranging from homeland security to drug discovery. Syagen is a leader in developing innovative mass spectrometry products, including the Guardian<sup>®</sup> explosives trace detection portal for personnel screening and the PhotoMate line of APPI sources sold through leading OEM manufacturers of LC/MS instrumentation.

### About Waters Corporation ([www.waters.com](http://www.waters.com))

For 50 years, Waters Corporation (NYSE:WAT) creates business advantages for laboratory-dependent organizations by delivering practical and sustainable innovation to enable significant advancements in such areas as healthcare delivery, environmental management, food safety, and water quality worldwide.

Pioneering a connected portfolio of separations science, laboratory information management, mass spectrometry and thermal analysis, Waters technology breakthroughs and laboratory solutions provide an enduring platform for customer success.

With revenue of \$1.58 billion in 2008 and 5,000 employees, Waters is driving scientific discovery and operational excellence for customers worldwide.

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