

Waters Improves Ease and Reliability of Small Molecule Analysis with ACQUITY RDa Detector

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Compact, compliance-ready mass spectrometer with SmartMS technology ideal for routine accurate-mass measurements with minimal setup or training

News Summary:

- Facilitates the acquisition of high-quality, accurate-mass data for routine small molecule applications
- SmartMS technology helps speed decision-making and delivers confidence with consistent, reproducible results
- Accelerates scientific workflows in a platform that is compliance-ready to satisfy 21 CFR Part 11 requirements

MILFORD, Mass.--(BUSINESS WIRE)-- Waters Corporation (NYSE:WAT) today released the **ACQUITY RDa™ Detector** featuring SmartMS™, the company's newest time-of-flight (TOF) mass spectrometer (MS) for small molecule analysis for pharmaceutical, academic, food, and forensics applications. The accurate-mass ACQUITY™ RDa Detector can be quickly deployed and operated to enable faster and more informed decision-making across a broad set of applications.

This press release features multimedia. View the full release here:

<https://www.businesswire.com/news/home/20210310005275/en/>

The ACQUITY RDa Detector featuring SmartMS technology is a time-of-flight mass detector for making accurate-mass measurements of small molecules during pharmaceutical impurity analyses, forced degradation studies, food and natural products analyses and seized drug profiling. (Photo: Business

“With the ACQUITY RDa Detector, we've taken the complexity of operating a mass spectrometer and put it behind the user interface so that the bench scientist doesn't have to worry about how it works, but about what to do with the high-quality, reproducible results the detector produces,” said Ian King, Senior Vice President - Global Products, Waters Corporation.

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“The ACQUITY RDa Detector’s high mass accuracy, automated setup and streamlined workflows offer laboratories a purpose-built high-performance mass spectrometer to support increasingly complex small molecule analysis projects with ease.”

Simplified Set Up and Operation for Confidence and Faster Decision-Making

From setup to results, the ACQUITY RDa Detector is designed for ease-of-use with intuitive system health checks and dedicated results-oriented workflows. With SmartMS, users can identify analytes more accurately and confidently evaluate outcomes with end-to-end robust, reliable workflows for routine applications. Paired with a simple one-button start, the RDa Detector reduces the extent of training, limits downtime, and ensures consistent, reproducible results.

“In the pharma industry, the Waters RDa Detector meets regulatory and production challenges for which a satisfactory solution doesn’t exist,” said Marc Foulon, Director, Pharmaphysic, an analytical development laboratory providing analytical services for the cosmetic, chemical and pharmaceuticals industries.

Big Impact on Small Molecule Analysis

The ACQUITY RDa Detector is optimized for small molecule applications where quality, compliance and data integrity are critical. These include impurity analysis, forced degradation studies, lipid screening, natural products profiling, food contaminant analysis, seized and controlled drug profiling, and general accurate-mass measurements.

For improved usability and faster outcomes, the ACQUITY RDa Detector operates on [waters_connect™](#), an open software platform designed to enhance the value that the RDa brings to laboratories with new functionality, features and software updates. Providing a complete audit trail for acquisition, processing and reporting of data, [waters_connect](#) enables seamless compliance and the highest standards of data integrity. With the option of system qualification, the platform is suitable for regulated and non-regulated laboratories alike.

Featuring an array of robust functionalities, simple operation, and a compact form factor, the ACQUITY RDa Detector simplifies the process of making high performance accurate- mass measurements.

The ACQUITY RDa Detector is now available worldwide from Waters and its authorized distributors.

Additional Resources

- Read our brochure: [The ACQUITY RDa Detector: Delivering SmartMS to the Masses](#)
- Read our application note [Demonstrating the Waters ACQUITY RDa Detector as an Ease-of-Use Solutions](#)

for Routine Accurate Mass Measurements in Forced Degradation Studies

- Read our application note [The ACQUITY RDa for Routine Food Profiling – Detecting the Unexpected in Honey](#)
- Read our application note [Seized Drug Screening using the ACQUITY RDa Detector](#)
- Learn more about the [ACQUITY RDa Detector](#) on our web site.
- Connect with Waters via [LinkedIn](#), [Twitter](#), and [Facebook](#)

About Waters Corporation (www.waters.com)

Waters Corporation (NYSE:WAT), the world's leading specialty measurement company, has pioneered chromatography, mass spectrometry, and thermal analysis innovations serving the life, materials, and food sciences for more than 60 years. With more than 7,000 employees worldwide, Waters operates directly in 35 countries, including 15 manufacturing facilities, and with products available in more than 100 countries.

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