

## Waters Introduces Faster, Reliable and Automated Solution for Mass and Purity Analysis of Biomolecules

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### News Summary:

- New Intact Mass software application on waters\_connect enables simplified and significantly faster analysis of biomolecules for mass and purity
- Intact Mass App is now available as an upgrade for new and installed BioAccord LC-MS systems
- New line of Waters MaxPeak Premier columns further enhances the analysis by delivering 2x to 3x greater sensitivity than conventional steel columns

MILFORD, Mass.--(BUSINESS WIRE)-- Waters Corporation (NYSE:WAT) today introduced new software and analytical columns to aid biomolecule drug discovery and development. The new Waters™ Intact Mass app on waters\_connect™ allows scientists using the BioAccord™ LC-MS System to confirm the mass of biomolecules and impurities made by synthetic or recombinant processes nearly twice as fast as other commercially available options.

Intact mass analysis on the Waters BioAccord LC-MS System gives bioprocess engineers key information about drug and process quality within minutes.

(Photo: Business Wire)

“Acquiring mass and purity data of biomolecules is time consuming. Skilled analysis of complex mass spectrometry data is required, typically in remote specialist

analytical laboratories,” said Jon Pratt, Waters Division Senior Vice President, Waters Corporation. “The new Waters Intact Mass App enables bioengineers and biochemists to accelerate drug discovery and development with simplified technology to generate mass confirmation data on their own in minutes/hours instead of days/weeks.”

Intact mass analysis is routinely performed during all stages of the development of biological drugs including proteins, peptides, oligonucleotide therapies and conjugates. In early stages of drug discovery, biochemists must analyze hundreds or even thousands of different samples per week. To help speed this process, the Waters Intact

Mass app provides a fast, reliable, and automated solution to facilitate mass confirmation and purity determination of novel biotherapeutics. The application features intelligent automated deconvolution to process sample results within minutes of their capture, with minimal user input.

## Introducing Waters MaxPeak Premier Protein BEH C4 300Å Columns for Intact & Subunit Protein Analyses

Complementing the introduction of the Intact Mass app is a new line of analytical columns that are essential for analyzing intact biomolecules and their subunits. The **ACQUITY™ Premier** and **XBridge™ Premier** Protein BEH C4 300Å Columns for the BioAccord LC-MS System feature MaxPeak High Performance Surfaces (HPS) technology that prevents the loss of sample analytes due to adsorption of phosphorylated and carboxylated molecules between the sample and metal surfaces of both the LC system and column. This enables up to 3X greater sensitivity for low-level intact mass analysis and 2X greater sensitivity for the intact mass analysis of phosphorylated proteins and low-level subunits of monoclonal antibodies.<sup>ii</sup>

The Intact Mass App on waters\_connect is available for new BioAccord LC-MS Systems and as an upgrade to previously installed systems. MaxPeak Premier Protein BEH C4 300Å Columns are now available from Waters worldwide.

### Additional Resources

- Read the blog post: [Automating Intact Mass Deconvolution: It's About Time](#)
- See our application note: [Intact Mass – A Versatile waters\\_connect Application for Rapid Mass Confirmation and Purity Assessment of Biotherapeutics](#)
- Follow and connect with Waters via [LinkedIn](#), [Twitter](#), and [Facebook](#)

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

**Waters Corporation** (NYSE:WAT), a global leader in analytical instruments and software, has pioneered chromatography, mass spectrometry, and thermal analysis innovations serving the life, materials, and food sciences for more than 60 years. With more than 7,800 employees worldwide, Waters operates directly in more than 35 countries, including 14 manufacturing facilities, and with products available in more than 100 countries.

Waters, BioAccord, ACQUITY, Premier, UPLC, XBridge, MaxPeak, and waters\_connect are trademarks of Waters Corporation.

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<sup>i</sup> Estimate based on obtaining the results for 96 samples using a Waters BioAccord System and Intact Mass parallel acquisition and processing approach as compared to the “acquire then process” workflow of commercially available

offerings.

ii Based on a comparison of MaxPeak Premier Protein BEH C4 300Å Columns with stainless steel ACQUITY Protein 300Å Columns

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