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Waters introduces automated solution for mass and purity analysis of biomolecules

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New Intact Mass software application on waters_connect enables simplified and significantly faster analysis of biomolecules for mass and purity



Waters Corporation has 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.

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 C_4 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.