Media Product Backgrounder

Agilent MassHunter BioConfirm 12.0 Software

Key Uses:

- Analysis of oligonucleotides including confirming the full-length product (FLP) and its impurities and confirmation of the oligonucleotide sequence
- Confirming the molecular weight of intact proteins such as monoclonal antibodies (mAbs)
- Measuring the sequence coverage of protein digests and location of post-translational medications (PTMs)
- Profiling released glycans

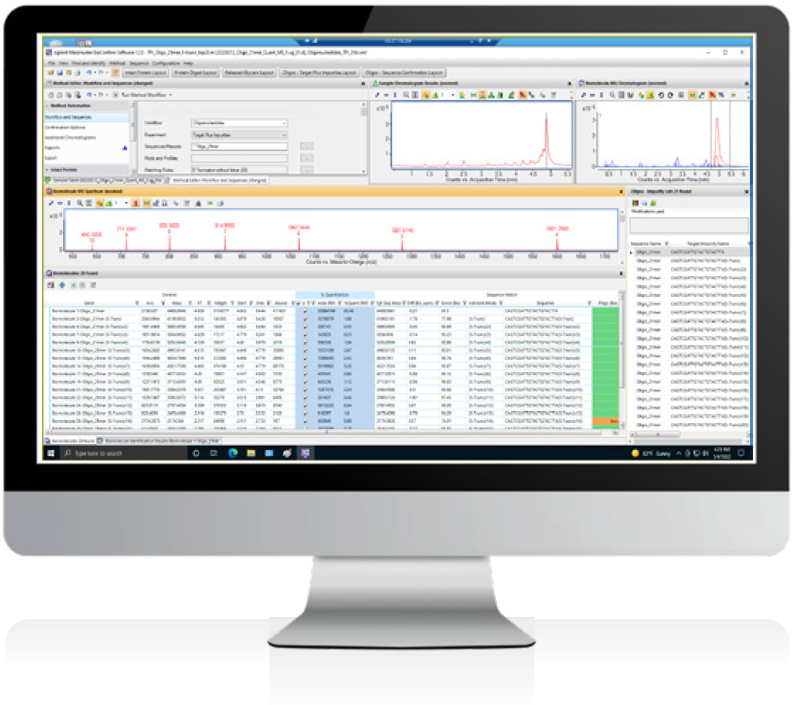
Key Features:

- Multiple key biopharma workflows in the same software
- Automation using MassHunter Acquisition or MassHunter WalkUp
- Technical controls to securely process, report and store data to meet compliance guidelines

Overview

MassHunter BioConfirm 12.0 is software that gives biopharmaceutical customers the answers they need. Using high resolution mass spec data, this software extracts information to confirm intact protein molecular weights, peptide sequence coverage and location of post-translational modifications (PTMs), and the identification of released glycans.

The newest features enable users to rapidly set up workflows for the characterization of oligonucleotides, meeting the demands of this quick growing market. MassHunter BioConfirm 12.0 speeds up analysis, supports regulatory compliance, and produces answers that users can trust.



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Agilent MassHunter BioConfirm 12.0 Key Features Explained

Multiple key biopharma workflows in the same software

Characterization of biomolecules using high resolution mass spec data can be complex and time-consuming. For example, manually confirming oligonucleotide sequences using a spreadsheet can take days of tedious inspection of MS/MS fragment spectra. MassHunter BioConfirm allows the user to enter the sequence, select parameters such as digests and modifications and run the workflow. The results are available for inspection of chromatograms, spectra, and visualizations such as a Sequence Coverage Map and histograms. The common look-and-feel across the workflows minimizes training time for new users.

Automation using MassHunter Acquisition or MassHunter WalkUp

Productivity using MassHunter BioConfirm is enhanced by the ability to set up a worklist in MassHunter Acquisition and run BioConfirm immediately after acquiring data while the mass spec is moving to the next sample. MassHunter WalkUp allows sample submitters to fill in three simple screens and start their analyses using BioConfirm, giving them the capabilities of expert LC/MS users.

Technical controls to securely process, report and store data to meet compliance guidelines

Biopharmaceutical laboratories in Discovery or Development need minimal controls to meet regulatory compliance guidelines. On the other hand, GxP labs must be completely "locked down" with data integrity features, audit trails, roles and permissions, checksums, access control and user timeouts.

MassHunter BioConfirm 12.0 can be used in either type of lab with the same user interfaces across all workflows including the new ones for oligonucleotides.

Key Benefits of the Agilent MassHunter BioConfirm 12.0 to Laboratory Operations and Managers

Experience higher productivity through automation and ease-of-use

MassHunter BioConfirm 12.0 automates many key biopharma workflows and reduces the time required to process data, eliminating many manual steps. The workflows are structured in a similar manner so training from one easily transfers to the next.

Access online support and free upgrades

MassHunter BioConfirm 12.0 ships with an included one-year Software Maintenance Agreement (SMA) that includes phone support and upgrades. The user registers and is notified by email when a new version is available, allowing them to respond quickly to get access to new features.

Streamline the audit process

MassHunter BioConfirm Networked Workstation includes many technical controls such as audit trail that work in the background and enforce policies. It enables single point access to data from multiple sources which allows for auditors to inspect records with zero impact on the lab's productivity.

For more information visit Agilent's newsroom
or contact Naomi Goumillout,
Director, Business Public Relations
(naomi.goumillout@agilent.com)

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