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Sciex expands protein characterisation capabilities

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With the Fast Glycan Labeling and Analysis kit and updated Biologics Explorer software



Sciex, a US-based leader in life science analytical technologies, has announced the launch of the Fast Glycan Labeling and Analysis kit for quantitative glycan analysis and an update for Biologics Explorer software to enhance critical protein therapeutic analysis workflows.

With these new additions, Sciex continues to expand its ability to support the characterisation of complex and next-generation biopharmaceuticals in different parts of the drug development pipeline.

Biologics Explorer software, part of the Sciex OS ecosystem, allows scientists to harness the full potential of the rich spectra produced from the ZenoTOF 7600 system. This release of Biologics Explorer software 3.0 enables streamlined middle-down protein analysis in combination with single electron activated dissociation (EAD) fragmentation to yield high sequence coverage and provide better insight into the important modification sites of the protein. Data are easily translated to support quick and confident decisions about the most important critical quality attributes for biopharmaceuticals.

In addition, the Fast Glycan Labeling and Analysis kit enables fast glycan heterogeneity characterization and identification while retaining sample integrity and delivering consistent, accurate results. This workflow is now compatible with the BioPhase 8800 system, which is the only multi-capillary system capable of processing up to eight samples simultaneously. This capability enables a step that is critical in drug development: monitoring changes in carbohydrate composition or concentration that can significantly impact the overall efficacy and safety of a biotherapeutic.