

End-to-End Multi-Attribute Method Solution Accelerates Biopharmaceutical Development and Manufacturing

The Thermo Scientific MAM 2.0 workflow delivers reproducible, transferable and high-confidence results, while reducing costs and improving efficiency

PHILADELPHIA, Nov. 1, 2021 /PRNewswire/ -- **ASMS 2021** - Biopharmaceutical laboratories working across R&D, manufacturing and quality control (QC) environments can now streamline biopharmaceutical characterization, process monitoring and release testing using a new seamless, built-for-purpose multi-attribute method (MAM) workflow.

From development to QC, the Thermo Scientific MAM 2.0 workflow manages and streamlines all analytical processes.

The [Thermo Scientific MAM 2.0 workflow](#) is a culmination of collaborations and conversations with industry leaders that led to features added specifically to address MAM user needs. The result is an end-to-end, single vendor solution providing a holistic ecosystem for implementation from biopharmaceutical development through to quality control (QC). The MAM 2.0 solution enables direct connectivity in both hardware and software through all stages of development and manufacturing.

The workflow manages all analytical processes from instrument control to data management through a secure, integrated software ecosystem, streamlining the process from development to QC. The [Thermo Scientific BioPharma Finder 5.0 software](#) provides MAM users with fit-for-purpose enhancements for confident attribute characterization, data security and integrity, customizable reporting, and team collaboration at a global scale. From instrument control, to data storage and processing, through to result generation, [Thermo Scientific Chromeleon Chromatography Data System 7.3.1 software](#) manages the analytical processes and enables a simple transfer of the entire MAM workflow from development to QC.

Laboratories will benefit from a consistent technology platform between the [Thermo Scientific Orbitrap Exploris 240 mass spectrometer](#) in development and the new [Thermo Scientific Orbitrap Exploris MX mass detector](#), specifically designed for QC applications. Both solutions together will future proof customer needs and enable consistent unit-to-unit performance, while continuing to offer the power of Orbitrap technology. Furthermore, MAM 2.0 includes training, on-going support, and relationships with laboratories to bring their next biopharmaceutical candidate straight through to breakthrough.

Thermo Fisher Scientific is showcasing its new workflow during the 69th American Society for Mass Spectrometry (ASMS) Conference on Mass Spectrometry and Allied Topics, being held October 31- November 4, in the Pennsylvania Convention Center, Philadelphia, Pennsylvania.

"We see time and time again that customers face bottlenecks when moving therapeutics from development to manufacturing, ultimately disrupting and delaying commercialization and the delivery of drugs to patients," said Eric Grumbach, director, pharma and biopharma, chromatography and mass spectrometry, Thermo Fisher Scientific. "The MAM 2.0 workflow enables the use of the same platform throughout the entire process, delivering substantial time saving benefits and allowing product and process knowledge sharing across departments and teams."

Sara Carillo, biopharmaceutical application development team leader, National Institute of Bioprocessing Research and Training (NIBRT), said, "As we continue to utilize mass spectrometry methods within QC environments, supporting the accurate and reliable analysis of therapeutics, there is a need for connected, compliance-ready solutions that can help streamline the transfer of methods from development to QC laboratories. The MAM 2.0 workflow provides us with seamless knowledge transfer, and a built-for-purpose mass spectrometer for QC testing, enabling us to develop and release safe and effective biologics more efficiently."

For more information on the Thermo Scientific MAM 2.0 workflow, please visit www.thermofisher.com/MAM, or join us at ASMS 2021 from October 31-November 4, 2021.

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Media Contact Information:

Laura Bright
Thermo Fisher Scientific
+1 562-335-8318
laura.bright@thermofisher.com

Janice Foley
+1 617-823-5555
jfoley@biostratamarketing.com

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