Agilent

Trusted Answers

Designed for MAM—Speed, Confidence, Clarity

Execute your biopharma workflows with just what you need—
Agilent MAM solution

Moving From R&D to QC—with a Dedicated MAM Solution

Adhere to USP <1060> regulations

Biopharma is evolving fast. The rise of larger, complex therapeutics—such as monoclonal antibodies and antibody conjugates—is driving demand for analytical tools that deliver clarity, confidence, and compliance. Multi-attribute methods (MAM), based on LC/MS peptide mapping, enable targeted, site-specific quantitation of multiple critical quality attributes (CQAs) simultaneously, as well as purity assessment with new peak detection (NPD).

While high-resolution mass spectrometry (HRMS) and MAM are well-established in R&D, QC adoption has lagged due largely to complexity, cost, and staffing challenges. The issuance of USP <1060> provides guidance to enable the application of MAM in late-stage development and regulatory QC environments. Now you can leverage an easy-to-use, purpose-built MAM solution that includes dedicated software and simplified, accurate mass spectrometry detection.

Achieve success with Agilent MAM

Be ready to adopt MAM, meet regulatory expectations, and streamline operations with the easy-to-use Agilent Multi-Attribute Method (MAM) for OpenLab CDS software—designed to give you everything you need to be successful.

Purposefully Intuitive

Get the data you need, when you need it

When implementing MAM, labs may overestimate the need for ultrahigh-resolution mass spectrometry (UHRMS), while overlooking the importance of software and vendor support. UHRMS systems can add high costs, reduced robustness, and increased downtime. Furthermore, a lack of suitable software can lead to inaccurate quantification and human error—making method transfer difficult and risking compliance.

MAM that moves you forward

Agilent MAM for OpenLab CDS streamlines method transfer from R&D to QC. Using a single data acquisition system—Agilent OpenLab CDS—ensures continuity across environments, minimizing rework and saving time. Even with non-Agilent hardware, you can build out your method with CSV imports to MAM. Support regulatory compliance and achieve rapid, consistent, and accurate CQA analysis—without added complexity or cost.

The Agilent MAM solution delivers the clarity you need and the support you value

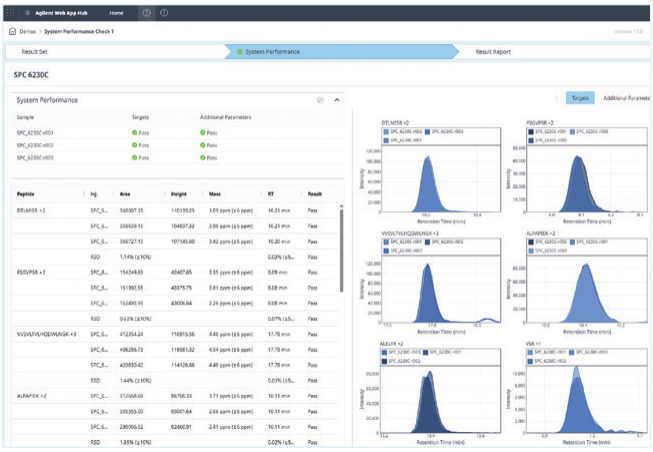
What you get from Agilent	What you gain
A purpose-built software designed for MAM	Clear, confident analysis of HRMS data—access the data you need to get the job done, saving time and minimizing error
A complete, robust, and reliable solution for QC workflows—including HRMS	Smooth method transfer to QC or external labs with less complexity and lower cost
An intuitive analytical workflow with step-by-step guidance	Less training time and faster batch release
Comprehensive vendor solutions—instruments, software, consumables, application expertise, and consulting services	Full partnership and support

Your Integrated MAM Solution—Built for QC

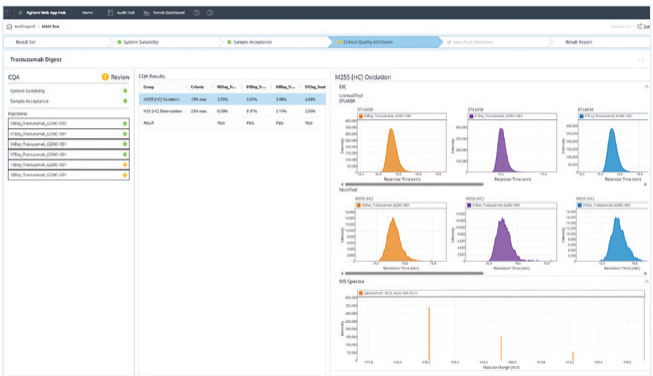
Combining software, instruments, columns, standards, and services, the Agilent MAM solution delivers seamless performance, reliable results, and ultimately, faster batch release.

Software that guides the way to confident results

Agilent MAM for OpenLab CDS bridges R&D and QC with a guided interface that shows only what you need—step-by-step. By simplifying complex workflows, it reduces training time and minimizes human error.



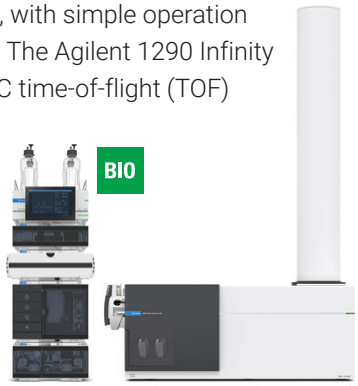
Built-in system performance check (SPC) enables quick, low-effort system checks and readiness verification.



Easily monitor and analyze your CQAs with easy-to-read pass/fail results, eliminating the guesswork so that you can focus on the data that truly matters—with no distractions.

Unified performance across your workflow

Agilent systems provide proven robustness and reliability at a low cost of ownership, with simple operation ideal for QC environments. The Agilent 1290 Infinity III bio LC and Agilent 6230C time-of-flight (TOF) LC/MS—along with high-quality consumables—deliver the performance you need.



Software	– Agilent MAM for OpenLab CDS – Agilent OpenLab CDS client/server
HPLC	– Agilent Infinity III bio LC solutions – Agilent Infinity II bio LC solutions
HRMS	– Agilent 6230C time-of-flight (TOF) LC/MS – Agilent 6545XT AdvanceBio LC/Q-TOF
Columns	Peptide-optimized reversed-phase LC columns designed for high-resolution separation, such as Agilent AdvanceBio Peptide Mapping column
Standard	Agilent 13-peptide LC/MS standard
Supplies	– LC supplies – LC/MS supplies – LC/MS solvents

MAM Is Challenging Enough—Your Software Shouldn't Be

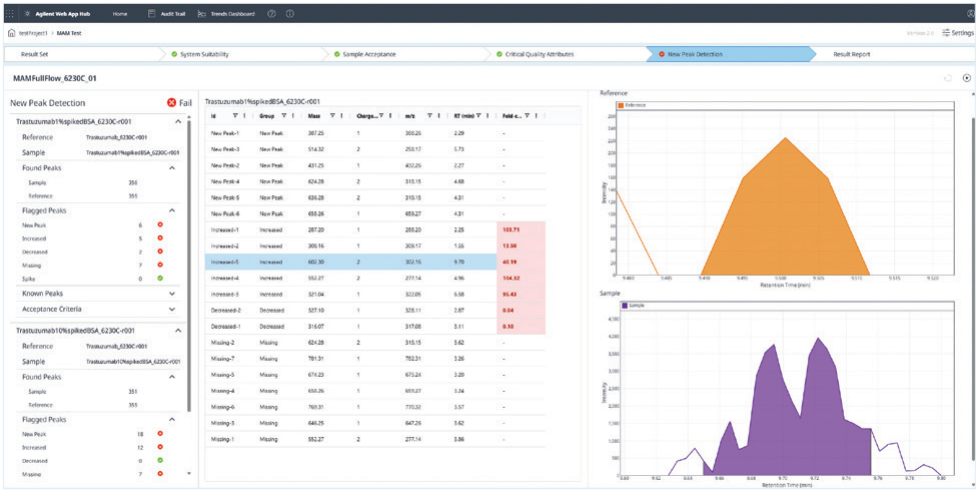
Reliable MAM analysis starts with confidence in your workflow. Our tools make it easier than ever to verify system performance and identify potential product variants.

Ready-to-use system performance check

The system performance check (SPC) is your essential readiness tool for successful MAM analysis and USP <1060> compliance, but creating this from scratch is difficult for labs new to MAM. With our unique, built-in SPC and optimized Agilent SPC standard, you can rapidly confirm readiness and streamline checks, supporting method consistency and reducing manual effort.

Detect the unexpected with new peak detection (NPD)

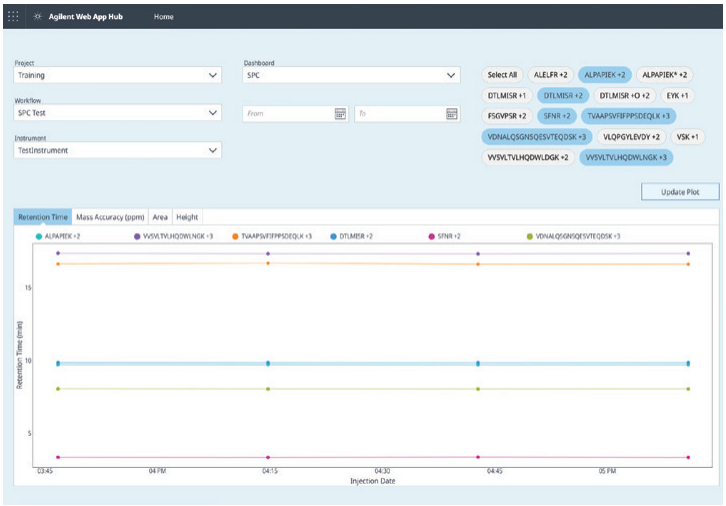
NPD is essential in MAM workflows to identify product variants that may affect safety, efficacy, or compliance. Using untargeted feature extraction to compare your sample to a reference standard, our novel NPD minimizes false positives and enhances fold-change detection—delivering accurate results aligned with USP <1060> and regulatory expectations.



Smarter Analysis for Sharper Decisions

Data trending and insights

Efficiently trend data by instrument, analysis, or batch—and eliminate manual reporting—with this specialized MAM software. You can also compare results to legacy LC/UV data using Agilent OpenLab CDS, helping streamline studies and ease the transition to MAM.



Your data anytime, anywhere—OpenLab CDS

Your lab is in constant motion with MAM and so much more. Centralize system management, improve productivity, and avoid bottlenecks with the Agilent OpenLab CDS client/server. Remote access gives you the power and flexibility to get your work done from anywhere—including method setup, instrument monitoring, data analysis, and more.

Compliance and data integrity

OpenLab CDS makes it easy to meet 21 CFR Part 11 compliance requirements. Built-in technical controls facilitate secure acquisition, processing, reporting, and data storage.

Centralized data

All methods and reports are stored on the server, allowing analysts to access and work from the same consistent set of information and data.

CrossLab services

With Agilent CrossLab, expert teams partner with you to implement solutions that optimize your lab's performance and productivity. That is why you can rely on us to provide the tools you need and protect your investment, backed by a global network of experienced Agilent-certified service professionals dedicated to the productivity of your lab.

Unlock your lab's full potential with CrossLab

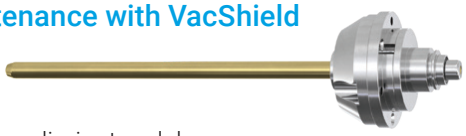
www.agilent.com/chem/crosslab

No Trade-Offs. Just Results.

LC/MS hardware designed for performance

The Agilent InfinityLab bio LC portfolio is optimized for peptide mapping and CQA monitoring in MAM workflows. The Agilent 6230C TOF LC/MS system is robust and easy to use, making it an ideal fit for regulated QC environments. Benefit from enhanced analytical capabilities for biomolecule analysis—without compromising on mass accuracy.

No-hassle maintenance with VacShield



Your time matters. Equipping Agilent VacShield technology eliminates delays, enabling rapid and convenient maintenance without waiting for system cooldown or pump shutdown. Simply remove the injector capillary and run your routine cleaning cycle in 30 minutes—so your lab can keep moving.

Quiet power and cleaner performance with an oil-free dry pump

When it comes to routine analysis, quality of life in the lab matters. The Edwards nXR40i dry pump or Agilent IDP-45 dry scroll pump enhances daily lab operations while supporting sustainability goals. Experience lower power consumption, reduced heat dissipation, quieter performance, and clean operation—no hazardous waste disposal required.

	Maintenance Time Required
With VacShield	50–160 min (0.8–2.7 hours)
Without VacShield	1,490–1,600 min (24.8–26.7 hours)

Learn more:
www.agilent.com/biopharma/MAM-Solution

Buy online:
www.agilent.com/chem/store

Get answers to your technical questions and access resources in the Agilent Community:
community.agilent.com

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