MultiQuant™ Software
Streamlines Mass Spectrometry Quantitation

ONE TOUCH PRODUCTIVITY
Innovations in sample throughput and chromatography have made efficient data quantitation a priority in bioanalytical labs operating in both regulated and non-regulated environments. Powerful new AB SCIEX MultiQuant™ Software meets this need by streamlining data processing and increasing MS quantitation productivity.

A single solution for quantifying small molecule compounds, large molecule biomarkers, and biopharmaceuticals.

- **Superior data processing and visualization**: Quantify large sample sets where hundreds—or even thousands—of analytes are monitored.

- **Powerful data integration**: Use the industry standard MQ4 algorithm and the novel SignalFinder™ Algorithm for more reliable integration with less user intervention.

- **Enhanced audit trail**: Control for maximum lab productivity in regulated—and unregulated—settings with a truly intuitive user interface.
Enhanced audit trail functionality

MultiQuant™ Software provides a robust audit trail with the Audit Map Editor and Grouped Audit Events.

The Audit Map Editor

The Audit Map Editor provides your laboratory administrator with precise control over audit trail functionality through the truly intuitive Audit Map Editor user interface.

Grouped Audit Events

Grouped Audit Events handles electronic signatures more efficiently. For example, when “expected concentration” values for a multi-point standard curve are entered, the software will prompt once for the electronic signature. The audit trail will still recognize each event separately and record the times for each event in the audit trail.

Precise, intuitive control: With the Audit Map Editor, the administrator can specify which events are audited. For each event, a list of pre-defined reasons can be specified and electronic signatures can be required.

Efficiency in auditing: With Grouped Audit Events, the system logs multiple changes to integration methods in the audit trail and prompts once for electronic signature.
Accelerate your quantitative research

An intuitive, easy-to-use interface makes MultiQuant™ Software fast and flexible

Innovations in AB SCIEX instruments and acquisition strategies such as the Scheduled MRM™ Algorithm, generate large amounts of high quality quantitative data—fast. MultiQuant™ Software provides the workspace and the processing tools to easily manage and process these datasets.

Put critical information at your fingertips. MultiQuant™ Software displays all the analytes or a specific analyte—with a single click—and updates the results tables and peak review automatically through dynamically linked panes.

Create and edit quantitation methods quickly. With MultiQuant™ Software, you can automatically parse annotated MRM information from Analyst® Software acquisition methods into your quantitation methods.

Simplify isotope-labeled internal-standard workflows, MultiQuant™ Software supports strategies for both relative and absolute quantification.

Save valuable time

Generate statistic tables and metric plots instantly with a single mouse click. MultiQuant™ Software makes it faster and easier than ever to set predefined queries and interrogate the data for peak quality, peak ratios, and other parameters.

Fast data assessment: Extract results easily through automatic report generation, queries, or simple results table exports. Chromatograms that do not pass the query are flagged in red for selective review. Metric plots can be used to graphically represent data for quick assessment.
Powerful integration algorithms increase performance

Spend your time generating results—instead of adjusting and reviewing integrations. Reliable integration with little or no user intervention also translates into fewer regulatory issues later on.

Innovation based on mathematical peak modeling

The SignalFinder™ Algorithm integrates chromatographic peaks with exceptional consistency and accuracy—especially in cases of low level peaks and difficult baselines. Using the SignalFinder™ Algorithm, you can identify a single set of parameters that work for most if not all of the chromatograms in a sample set, while also eliminating manual integration and potential regulatory difficulties.

Potentially reduce the need to perform dilutions and re-injections on higher concentration samples. The SignalFinder™ Algorithm can optionally compensate for detector saturation at higher concentrations and can help extend the quantitative linear range.

MQ4 Algorithm: Industry Leading Peak Integration

Based on the tried and true Analyst® software MQIII algorithm, the MultiQuant MQ4 integration algorithm is incredibly fast—especially for large data sets. It also supports integration of data acquired with the Scheduled MRM™ Algorithm.

Saturation Correction. (Left) When the ‘Use Saturation Correction’ option is enabled, the unsaturated portion of the peak is used by SignalFinder™ algorithm to extrapolate the correct peak profile and intensity. (Right) Peak model from an unsaturated peak used to extrapolate the peak profile of the saturated peak.
You invest in our technology. We invest in your success.

As the world leader in mass spectrometry, AB SCIEX solutions are backed by the industry’s most extensive service and support organization. With more than 1000 service professionals, experienced compliance specialists, and over 150 PhD application scientists worldwide, we are dedicated to supporting your technical needs and helping you get the most out of your AB SCIEX systems.

AB SCIEX service professionals are recognized as the most highly qualified in the industry. They are certified on our instrument platforms through a rigorous 4-step certification program, with re-certification occurring every two years. This award-winning program helps to ensure that you receive the most efficient, highest-quality, and most up-to-date service available for AB SCIEX products and technology. Choose from flexible service plans and a variety of services for the right level of support for your laboratory’s needs and budget.

Our customer support network is available to provide expert assistance in the use and application of AB SCIEX products through a comprehensive range of services, including application support, technical service, and training.

Whether you access our service and support team by phone, email, on-site visits, or through our innovative remote monitoring technology, you can be confident that the AB SCIEX organization will be there for you 24x7.

For more information, visit www.absciex.com