

SCIEX 4500MD Mass Spectrometer

Your Medical Device solution for best-in-class reliability, reproducibility, and performance for routine clinical testing



The Power of Precision

Powerful, Robust SCIEX IVD LC-MS/MS Systems

As scientific understanding evolves into improved clinical diagnostic testing, customers who develop their own assays are turning to fast, sensitive instruments to perform routine tests with high efficiency and cost savings. SCIEX IVD LC and mass spec systems provide rock solid, robust performance for biological compounds minimizing maintenance and maximizing uptime. Our IVD mass spec systems feature the Turbo V™ ion source and Curtain Gas™ interface for unequalled reliability, sensitivity and reproducibility.

The patented Turbo V ion source is made for demanding applications and considered the gold standard for LC-MS/MS ionization. The ion source delivers highly efficient desolvation for stable, sensitive performance; virtually eliminating cross contamination—even large sample loads, across a wide range of flow rates.

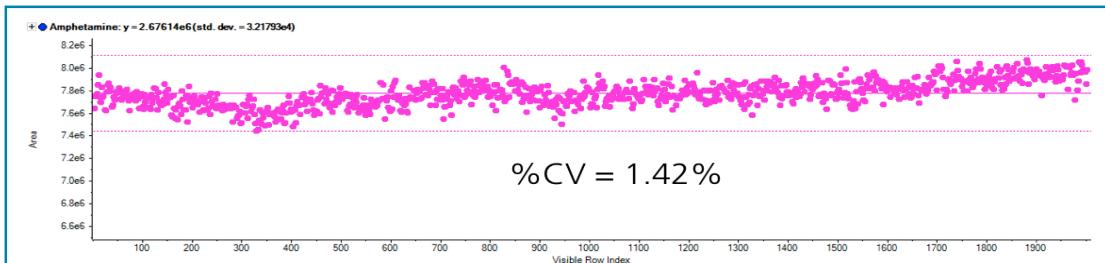
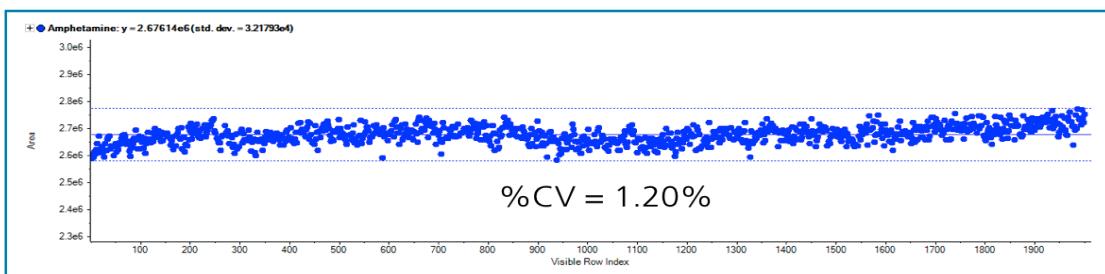
The Curtain Gas interface provides a wall of clean nitrogen to help prevent neutral components from entering the mass spec, so the system is more robust, requires less maintenance, and delivers increased uptime for your lab.



Capitalize on the Benefits of Mass Spectrometry for Your Clinical Laboratory

Mass spec offers clinical labs many advantages over traditional tests. It sets the benchmark for mass accuracy, precision, robustness and sensitivity, giving you data that delivers specificity and sensitivity that simply isn't achievable with most other analytic techniques.

- It also facilitates considerable workflow efficiencies – allowing multi-analyte panels, compatibility with generic sample prep, versatility in allowing the addition of new compounds, requires less preparation of samples and has a lower cost-per-sample than other methods.
- Tandem mass spec medical devices from SCIEX can also generate a structural analysis of target compounds.
- SCIEX LC-MS/MS systems give you a unique level of performance and application versatility
- Sensitivity to detect low concentrations in biological matrices
- Dynamic range to see low to high concentrations
- Scan speed to clearly resolve similar analytes
- Ionization source flow ranges for LC flexibility
- Compact to fit your valuable bench space
- SCIEX in vitro medical device MS systems and software meet the requirements for compliance and tracking



Measured peak areas for 1000 consecutive injections of a sample containing Methamphetamine (top) and Amphetamine (bottom), over a period of 5 consecutive days on SCIEX 4500MD Mass Spectrometry System.

The 4500MD Mass Spectrometer

Best-in-class Reliability, Reproducibility, and Performance

The **4500MD systems** are flexible LC-MS/MS platforms that offer high performance, increased sensitivity and fast data acquisition. Ideal for labs that develop their own applications to validate methods and that require lower detection limits or higher throughput, it offers the peace of mind afforded by a regulatory compliant solution.

Minimum maintenance requirements

4500MD mass spectrometers are available in both triple quadrupole and QTRAP

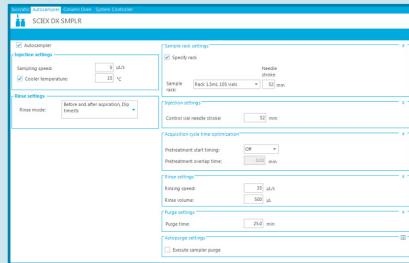


Automated method development

Quick, simple ion source changes

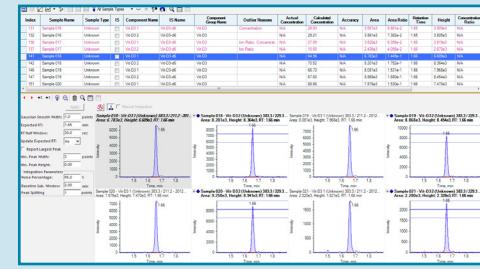
Easy-To-Use Workflow Driven IVD Software

Expert results, even for non mass spec experts. SCIEX offers complete LC-MS/MS system solutions designed to transform your approach to clinical testing. From automation systems to complementary software, our growing range of enhancements and options will accelerate your workflows, deliver more timely and reliable results, and keep your clinical lab performing at its peak.



Analyst MD Software

Provides LC-MS/MS data acquisition for your Citrine MS/MS, 4500MD and 3200MD systems. Analyst MD Software provides functionality for instrument control, data analysis, reporting, and audit trail. The latest version of Analyst MD Software builds on this legacy by providing new features that enhance performance, as well as ease-of-use.



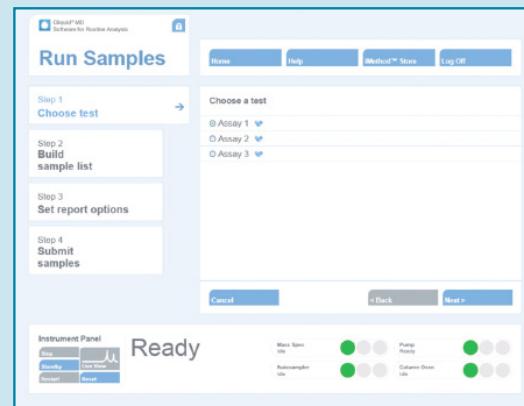
MultiQuant MD Software

A powerful and easy-to-use quantitation package that enables processing of multiple analytes and samples at the same time. It layers over your Analyst MD Software and provides enhanced functionality for quantitation of compounds analytically measured in the clinical diagnostic setting.



Cliquid MD Software

For routine diagnostic screening and quantitation is designed to work in conjunction with Analyst MD Software to provide a simple, four-step workflow by LC-MS/MS. The software can be used with any SCIEX Triple Quad MD or QTRAP MD LC-MS/MS system. From assay menu selection to customized reports, Cliquid MD Software provides a step-by-step intuitive, user interface for quick adoption of LC-MS/MS in your lab and audit trail. The latest version of Cliquid MD software enables regional language capabilities, as well as bi-directional LIMS connectivity for your clinical biochemistry laboratory.



SCIEX Now™ Support Network

The Destination for All Your Support Needs

Product & Data Security

Increase your confidence with compliance services to help you safeguard your data, confirm data integrity, and ensure system modifications can be traced.

Lab Enhancement Services

SCIEX Lab Enhancement Services apply a holistic approach to your lab to increase productivity and reduce system downtime.

Self Help Resources

Our Knowledge Base and Community help you move your science forward and find the answers you need from SCIEX experts as well as your peers.

Onboarding

We register you to SCIEX Now Online, enroll you to your SCIEX University learning path, and send you a welcome email.

SCIEX University

Best-in-class content, personalized learning paths – delivered using the latest memory science techniques.

Workflow Support

Whatever your challenge, the SCIEX Support team is here to help you achieve your scientific goals quickly and efficiently.

Start Your Path to Success Now: sciex.com/sciexnow

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Headquarters
500 Old Connecticut Path
Framingham, MA 01701 USA
Phone 508-383-7700
sciex.com

International Sales
For our office locations please call the division headquarters or refer to our website at sciex.com/offices

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