



Reliable testing  
with performance,  
productivity and  
value – combined

AB SCIEX 3200MD SERIES MASS SPECTROMETERS



Your routine diagnostic testing lab requires accurate trace level quantitation of multiple compounds in physiological matrices. With 30 years of experience delivering high-performance LC/MS/MS systems, software, service and support to clinical research laboratories, AB SCIEX is a partner you can trust to meet your objectives. Save time, cut costs, and support physicians with greater confidence and reliable results.

## Reliability, reproducibility, and confidence in your data

With an unmatched heritage of technological innovation and dependability, the 3200MD systems\* offer an attractive blend of performance, throughput and value.

### Faster return on investment

Lower running costs and increased throughput of LC/MS/MS technology add up to significant savings and a faster return on investment.

### The right answer, the first time

High sensitivity, low detection limits and high specificity lead to better data and greater confidence.

### Faster time to results

LC/MS/MS significantly reduces sample preparation and analytical run times and dramatically increases throughput to give high-quality results in minutes, not hours.

### More compounds per analysis, more analysis per day

Identify low-level concentrations of compounds in more samples and with greater accuracy. AB SCIEX LC/MS/MS technology simplifies sample preparation and dramatically increases throughput. You can increase the type and variety of tests performed with a single instrument, and make better decisions faster.

### Maximum instrument uptime

Run thousands of samples with minimal downtime. AB SCIEX LC/MS/MS supports you with rugged, robust instrumentation and worldwide service and support.

\*AB SCIEX API 3200MD™ System and AB SCIEX 3200MD QTRAP® LC/MS/MS System. Not available for *in vitro* diagnostic use in all countries. Check [www.absciex.com/3200MD](http://www.absciex.com/3200MD)



# Performance that's anything but entry level

The 3200MD systems are affordable benchtop platforms that give you a unique level of performance and application versatility.

## Multi-compound analysis

The ability to quantitate multiple compounds in a single run provides more results in fewer experiments.

## Versatility

With simplified sample preparation requirements you can perform multiple types of assays on a single platform, and analyze clinical compounds from various types of matrices.

## Grow the menu assay as your lab testing requirements grow

The 3200MD systems are sensitive and specific for the analytes most commonly requested in screening programs, routine testing and research projects in a number of key areas of clinical

diagnostics. From automated method development to quick, simple ion source changes and minimum maintenance requirements, the 3200MD systems are designed to make it easy for you to get the answers you need, and respond to new testing challenges.

## High throughput

The 3200MD compact benchtop systems are powerful, easy-to-use tools that are rugged enough for continuous high-throughput operation. With intuitive software and a full complement of automation features, they fit seamlessly into the workflows of any clinical diagnostic laboratory.

# High uptime, high reproducibility, maximum productivity

Clinical laboratories expect maximum uptime and systems that can easily handle the most challenging applications.

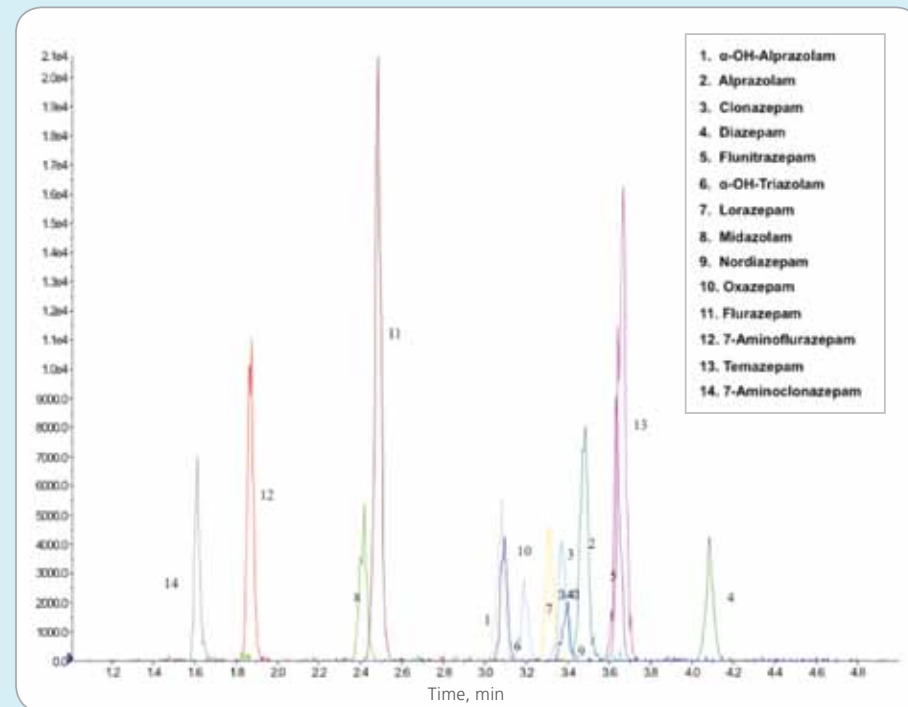
Like all our industry-leading mass spec systems, the 3200MD platforms feature the Turbo V™ ion source and Curtain Gas™ interface for best-in-class reliability, sensitivity and reproducibility in routine clinical testing.

## Sensitivity and confidence in results

The Turbo V source efficiently ionizes compounds and virtually eliminates cross-contamination, even with large sample loads, for high-sensitivity quantitation over a wide range of flow rates.

## Maximum uptime

The proprietary Curtain Gas interface reduces the need for routine maintenance and ensures maximum productivity by protecting the interface region and mass spec analyzer contamination.

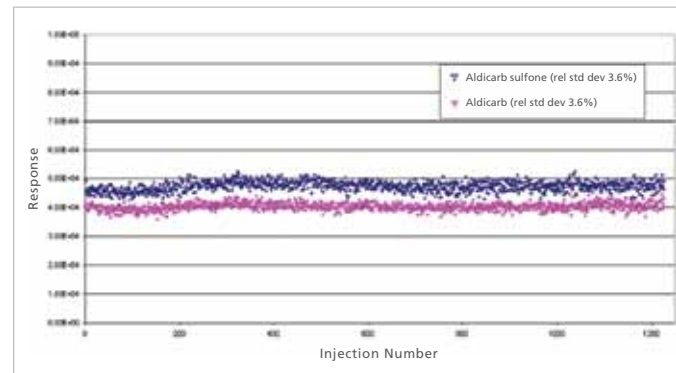


# The 3200MD series mass spectrometers

The API 3200MD™ system provides you with highly reliable, confident results from every quantitative analysis – all at an excellent value.

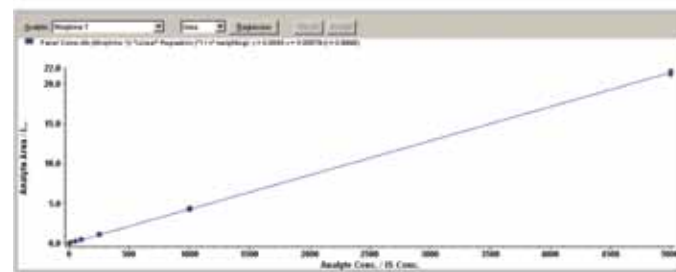
## Reliability, reproducibility, and confidence in your data

With the heritage of AB SCIEX technological innovation and dependability, the tandem mass spectrometer API 3200MD™ system offers an attractive blend of performance, throughput, and value.



Ruggedness and reproducibility of the API 3200MD™ system.

Expected Concentration	Sample Name	Number of Values Used	Mean	Standard Deviation	SDV	Accuracy
0.000000	0.000000 5 ng/mL, Calibrator 3 of 3	4	8.65697	0.77263	16.293777	36.13193
10.000000	10.000010 ng/mL, Calibrator 3 of 3	8	9.861384	0.297772	3.019609	39.812543
40.000000	40.000050 ng/mL, Calibrator 3 of 3	47	38.88863	0.924034	1.305838	36.961726
100.000000	100.00100 ng/mL, Calibrator 3 of 3	154	707790	2.208997	3.109676	104.707790
250.000000	250.00250 ng/mL, Calibrator 3 of 3	269	576814	0.842523	0.324576	103.830646
1000.000000	1000.00000 ng/mL, Calibrator 3 of 3	1012	424862	20.622547	2.088947	101.242486
8000.000000	8000.00000 ng/mL, Calibrator 3 of 3	4975	64236.1	42.983997	0.361988	39.412847

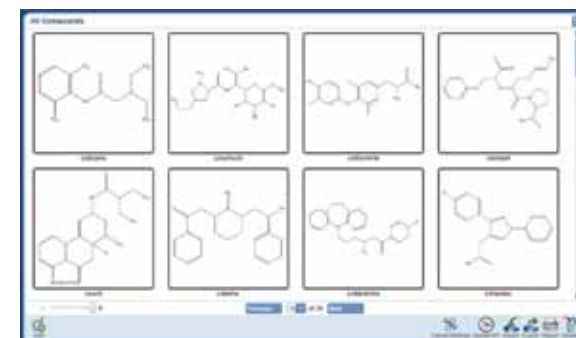


Example of calibration curve showing excellent linearity, reproducibility and accuracy of the API 3200MD™ system.

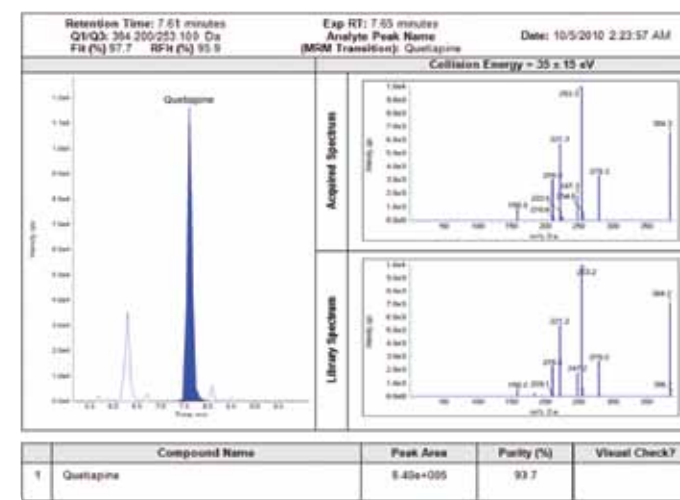
The 3200MD QTRAP® system brings an additional level of versatility with unmatched simultaneous quantitative and qualitative analysis.

## Simultaneous qualitative and quantitative analysis

Unique to AB SCIEX mass spec platforms, the QTRAP® system technology provides the ability to identify and quantitate trace level compounds from complex samples in a single run, combining triple quadrupole specificity and quantitation with linear ion trap full scan MS/MS sensitivity. This results in enhanced capabilities for screening programs enabling simultaneous sensitive quantitation and library searching workflows. Additionally, the MRM<sup>3</sup> workflow enabled by the QTRAP® technology provides enhanced quantitative selectivity when high background or challenging co-eluting interferences make standard MRM quantitation difficult.



MS/MS library searching unambiguously confirms the compound identification.



Detected peaks can be automatically surveyed for identification and compared to spectra from a library for confirmation.

# Powerful, easy-to use, workflow-driven software

Expert results – even for non mass spec experts.

## Analyst® MD Software

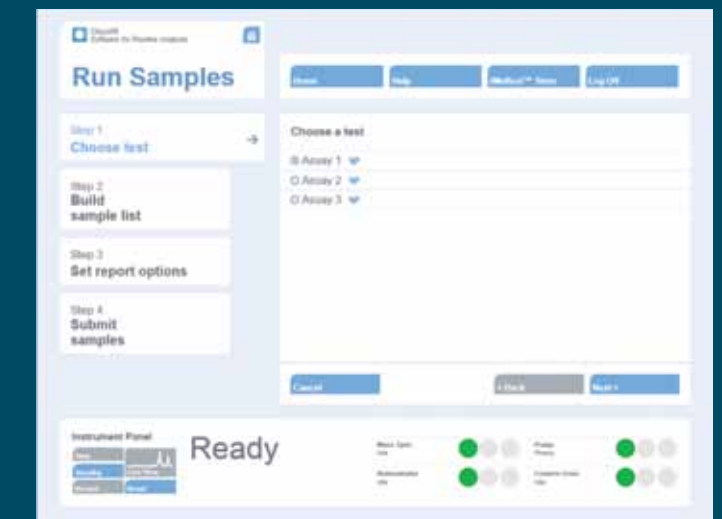
- Powerful software tool for instrument control, data analysis and reporting
- Configure, tune, acquire data, explore, and quantitate with high confidence – even when working with complex matrices
- Automatically create fully optimized methods for multiple compounds, analyze and compare analytical results



Analyst® MD Software – Powerful software tool for instrument control, data analysis and reporting.

## Cliquid® MD Software

- Intuitive user interface for simplified, routine mass spec operation
- Step-by-step workflow-driven, for easy operation and reduced training needs
- Optimized assay menu you can grow as your lab and testing requirements grow
- Compatible with LIS/LIMS
- Compatible with barcode reading workflows



Cliquid MD Software step-by-step user interface. From assay menu selection to customized report.

# Your success is our success

## We take it personally

As an AB SCIEX customer you have access to a world-class customer support organization. Wherever you are, we're there with you as a trusted partner to answer questions, provide solutions, and maximize lab productivity.

Our customer support organization has access to the latest product updates, software revisions, methods and repair procedures to make sure that you stay on top of your game.

When you have questions, we have answers.

For more information on the AB SCIEX 3200MD Systems, visit [www.absciex.com/3200MD](http://www.absciex.com/3200MD)

**For In Vitro Diagnostic Use. Not available in all countries. Check [www.absciex.com/3200MD](http://www.absciex.com/3200MD)**

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