

A triple quadrupole engineered to maintain our highest sensitivity for up to twice as long in complex matrices

SCIEX 7500+ system

Promise and deliver. Again and again.



The next era of quantitation

The SCIEX 7500+ system

The SCIEX 7500+ system takes precision quantitation to the next level. Achieve accurate results over sustained periods of time, across thousands of sample sets in increasingly complex matrices. Studies can be delivered in shorter timelines with the confidence to tackle new and emerging challenges.

When you are under pressure to make critical decisions, you need a system innovated to rise to the challenge. Whether you're progressing high potency drug candidates into clinical trials, staying prepared for changing PFAS regulations, or investing years in researching, the decisions you make count.

Mass Guard technology

The innovative ion filtering technology that reduces the risk and frequency of instrument contamination, maintaining our highest sensitivity for up to twice as long.

Speeds of up to 800 MRM per second

The fastest SCIEX Triple Quad yet increases the capacity for large quantitation panels that incorporate new compounds of concern.

Newly designed removable DJet+ assembly

The removable DJet+ assembly allows users to clean and maintain it themselves, making it easier to schedule front-end cleaning.



High sensitivity, speed and resilience across large, complex sample sets

The SCIEX 7500+ system

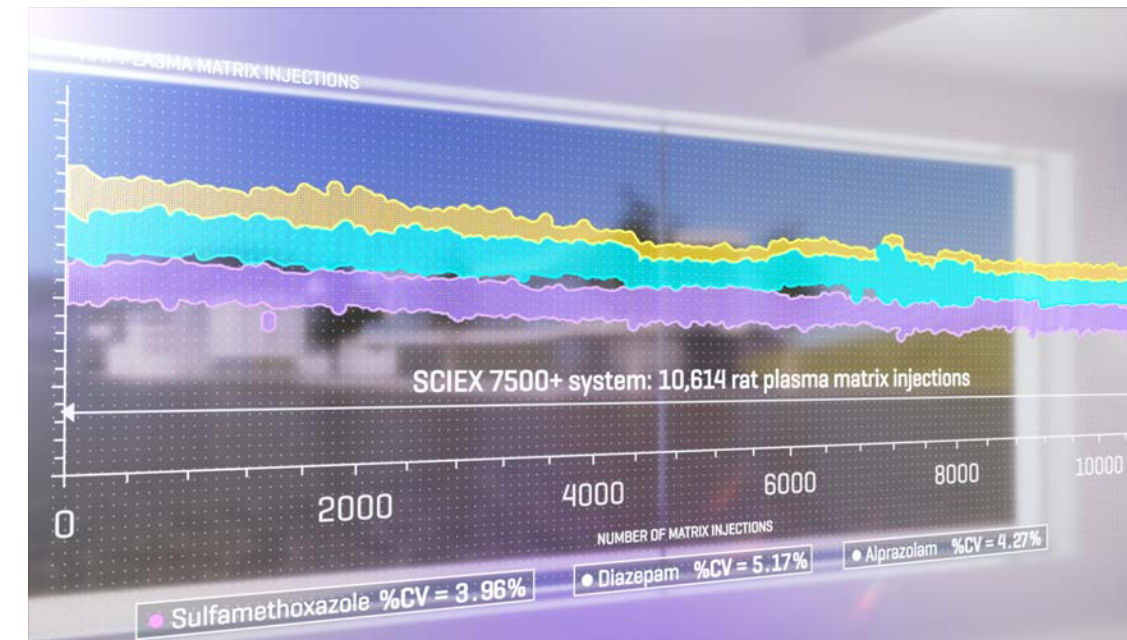
Delivering groundbreaking technology in the field of targeted quantitation, the SCIEX 7500+ system enables ultrasensitive levels of quantitation across drug development, emerging contaminants and life science research.

The performance of the SCIEX 7500+ system has been rigorously tested with accelerated high throughput assays on matrices notorious for causing instrument contamination.

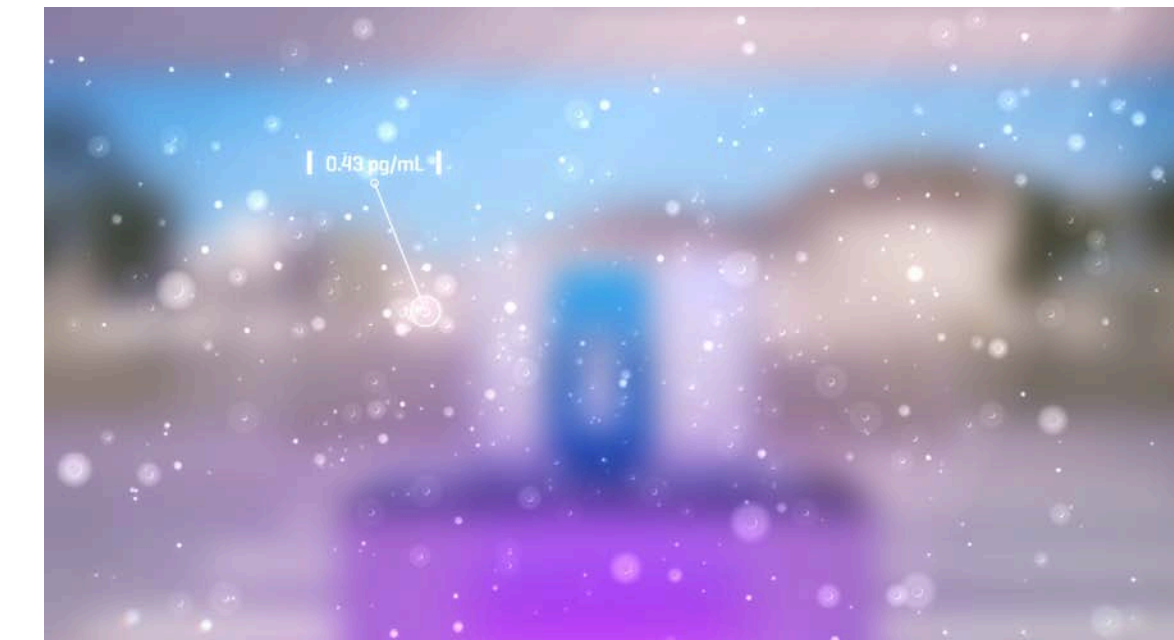
The system delivers sensitive, robust quantitation allowing you to quantify ultra low-level compounds in complex matrices with reduced risk of downtime.



Resilience means testing our systems under the most extreme conditions.



Acquire accurate results over sustained periods of time, across thousands of samples sets in increasingly complex matrices. Studies can be delivered in shorter timelines with the confidence to tackle new and emerging challenges.



Achieve femtogram per milliliter levels or parts-per-quadrillion levels of sensitivity that can drive studies and precise outcomes across large sample sets.

Innovation in resilience delivers increased efficiency and reduced downtime.



Mass Guard technology sets a new standard for instrument resilience. It is the key innovation with respect to increased uptime and robustness, reducing the risk and frequency of instrument contamination.



Together with improved serviceability of the system you can take control of your instrument downtime, helping you maximize your return on investment. Avoid costly downtime of that can equate to up to \$10K per day.

Features

The SCIEX 7500+ system

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Speeds of up to 800 MRM per second

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More energy efficient

The 7500+ system is compatible with dry roughing pumps, which can reduce electricity consumption by up to 24% relative to oil-sealed pumps.

Ionization Source

The OptiFlow Pro ion source with E Lens incorporates the reliability and efficiency of the legendary Turbo V ion source while providing flexibility for quickly switching flow rates.

QTRAP system

Exclusive to SCIEX, QTRAP functionality like enhanced product ion scans enable improved confidence, while MRM3 workflows push quantitation levels through matrix interferences.

Deliver on important timelines

SCIEX OS software automated decision making means your system spends more time generating the results you need to hit your project deadlines.

Detection

Precise and robust engineering of the ion rail delivers consistent and reproducible analysis time after time, by focusing and transmitting the crucial ions you need for your study.



800
MRM/SEC



SCIEX OS software

The SCIEX 7500+ system

Engineered to deliver more. Faster.

Metrics Tracker

Unlock valuable, real-time insights into the performance of your instruments.

QTRAP acquisition

Enhanced scan functions deliver powerful quantitation and confirmation at the same time.

Application Programming Interface (API)

Stay on top of a changing laboratory landscape and enable software connectivity.

Support for 21 CFR part 11 compliance

When security is critical. Incorporate electronic audit trails, e-signatures, and detailed security configurations.

Center Admin Console

Control, manage, and audit multiple instruments and projects.

Internationalization

Confidently collaborate with colleagues without language constraints.

Migration assistance

Let our team of experts help provide a seamless transition from Analyst to SCIEX OS so you can benefit from an integrated experience across all your SCIEX instruments and their workflows.



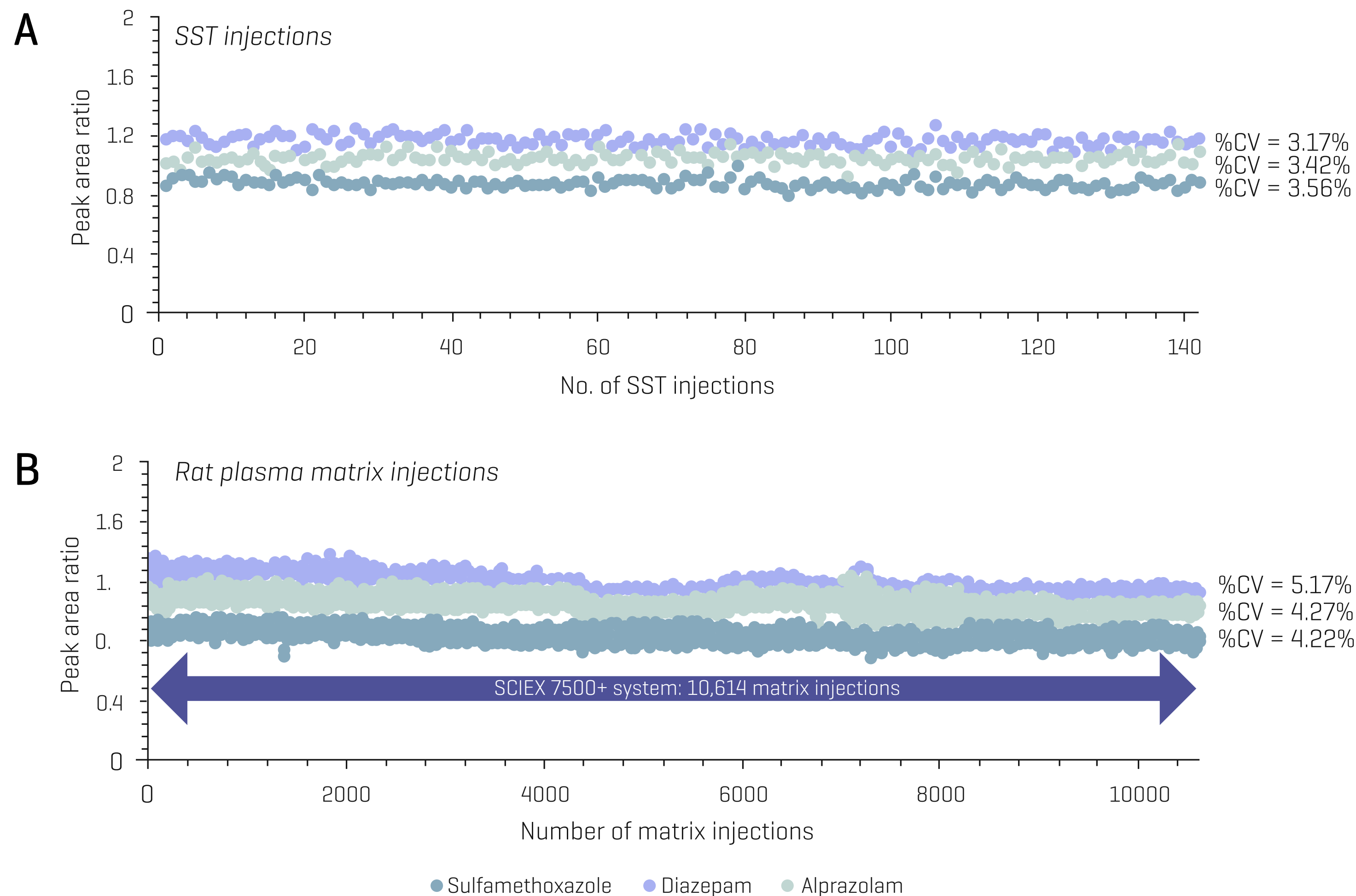
Featured resources

The SCIEX 7500+ system

Redefine bioanalysis with enhanced robustness on the SCIEX 7500+ system

Integrating unparalleled sensitivity and highest levels of data stability makes the SCIEX 7500+ system a powerful tool for bioanalysis in complex matrices

[Learn more →](#)



Peak area ratio [raw peak area normalized to IS] from analysis of three pharmaceutical small molecules, SST [A] and rat plasma matrix [B] injections on the SCIEX 7500+ system. Internal standard-corrected data for 3 drug compounds, showing %CVs of 3-5% across more than 10,000 injections of rat plasma.

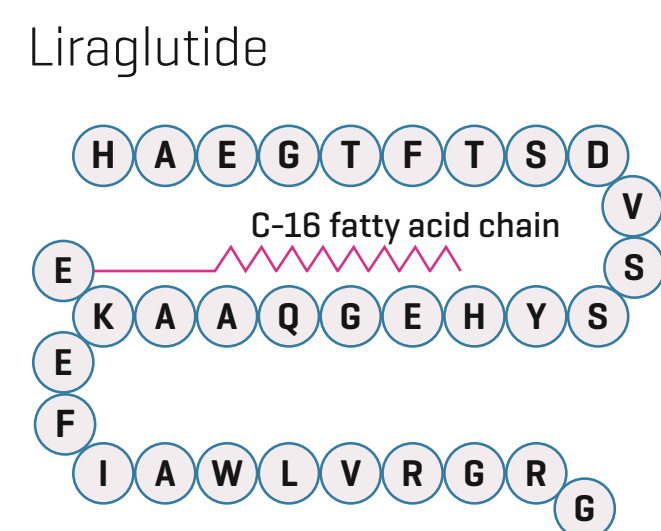
Featured resources

The SCIEX 7500+ system

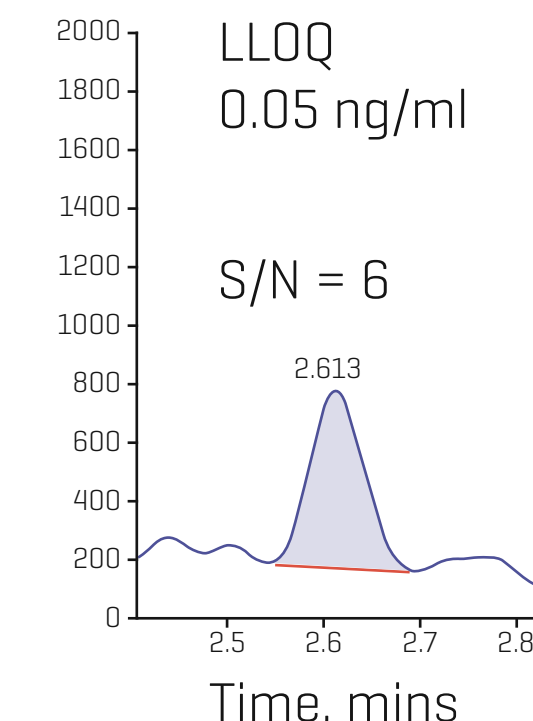
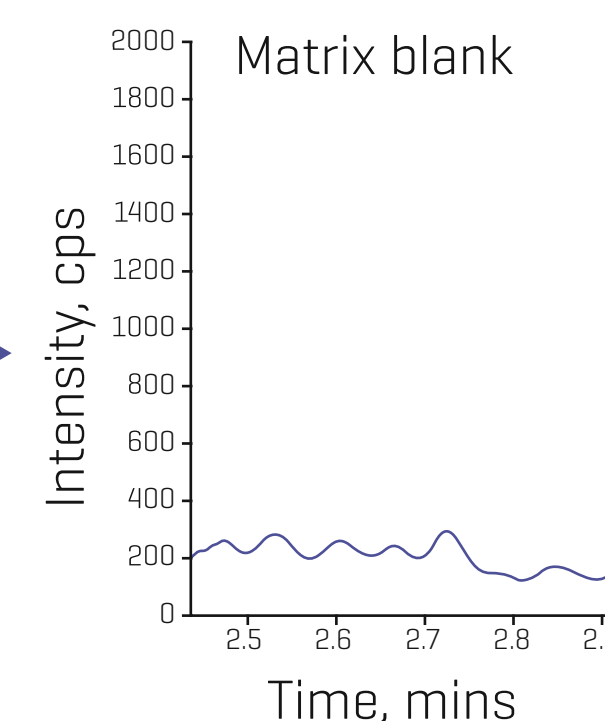
Quantitative performance of a next-generation, highly robust triple quadrupole mass spectrometer

Capitalize on increased robustness while maintaining system sensitivity for long-term routine bioanalysis while staying compliant with SCIEX OS software

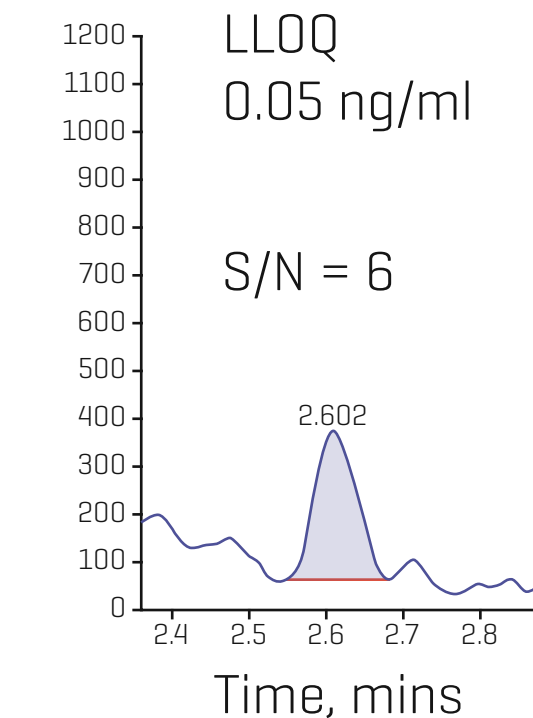
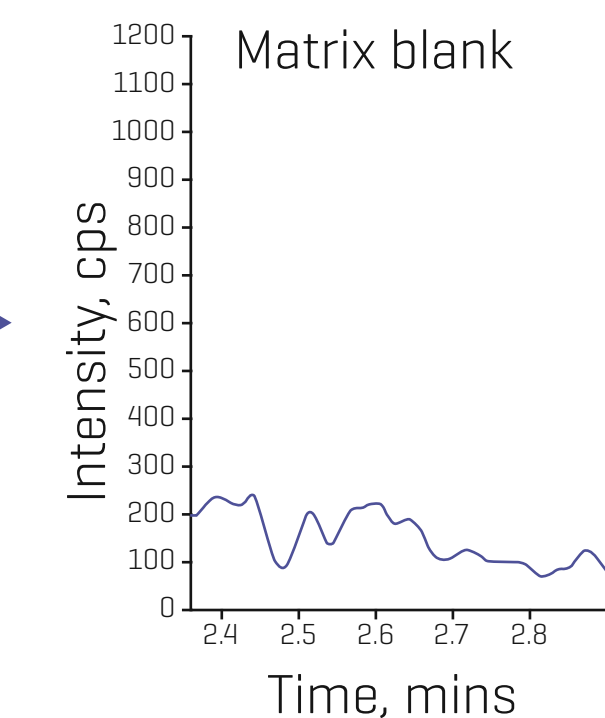
[Learn more →](#)



SCIEX 7500+ system



SCIEX 7500 system



High fidelity method integration onto the SCIEX 7500+ system without compromising assay sensitivity. Liraglutide was analyzed using the SCIEX 7500+ system and the SCIEX 7500 system. Representative extracted ion chromatograms [XICs] of liraglutide in the matrix blank and at 0.05 ng/mL are shown on the SCIEX 7500+ system and the SCIEX 7500 system. An equivalent LLOQ at 0.05 ng/mL with a signal-to-noise [S/N] of 6 [peak-to-peak calculation] was reached on the SCIEX 7500+ system, highlighting comparable system sensitivity during method transfer. No interferences were observed in the rat plasma matrix blank.



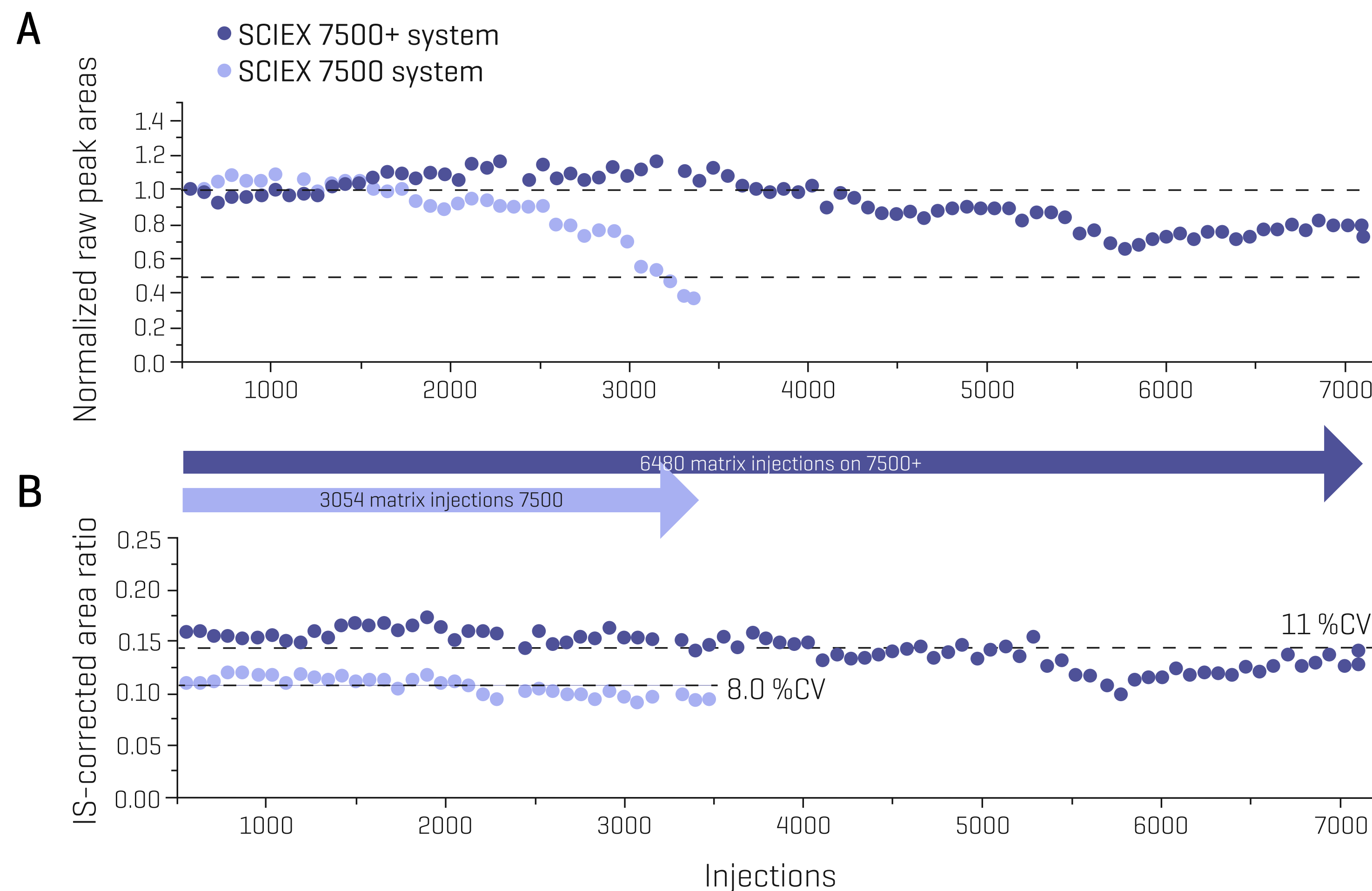
Featured resources

The SCIEX 7500+ system

Achieving exceptional robustness for PFAS analysis in food with the next-generation SCIEX 7500+ system

See how Mass Guard technology filters contaminating ions to keep exceptional quantitative performance for 2x longer

Learn more →



Raw peak areas normalized to initial response [A] and internal standard [IS]-corrected peak area ratios [B] for perfluorooctane sulfonate [PFOS] in solvent quality control [QC] samples on the SCIEX 7500 (light purple) and on the SCIEX 7500+ (dark purple) systems. Stability of quantitation for PFOS across ~7000 injections of a variety of complex matrices.



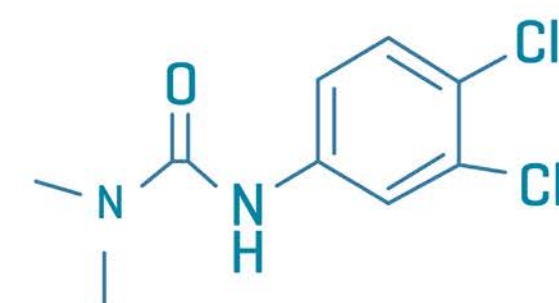
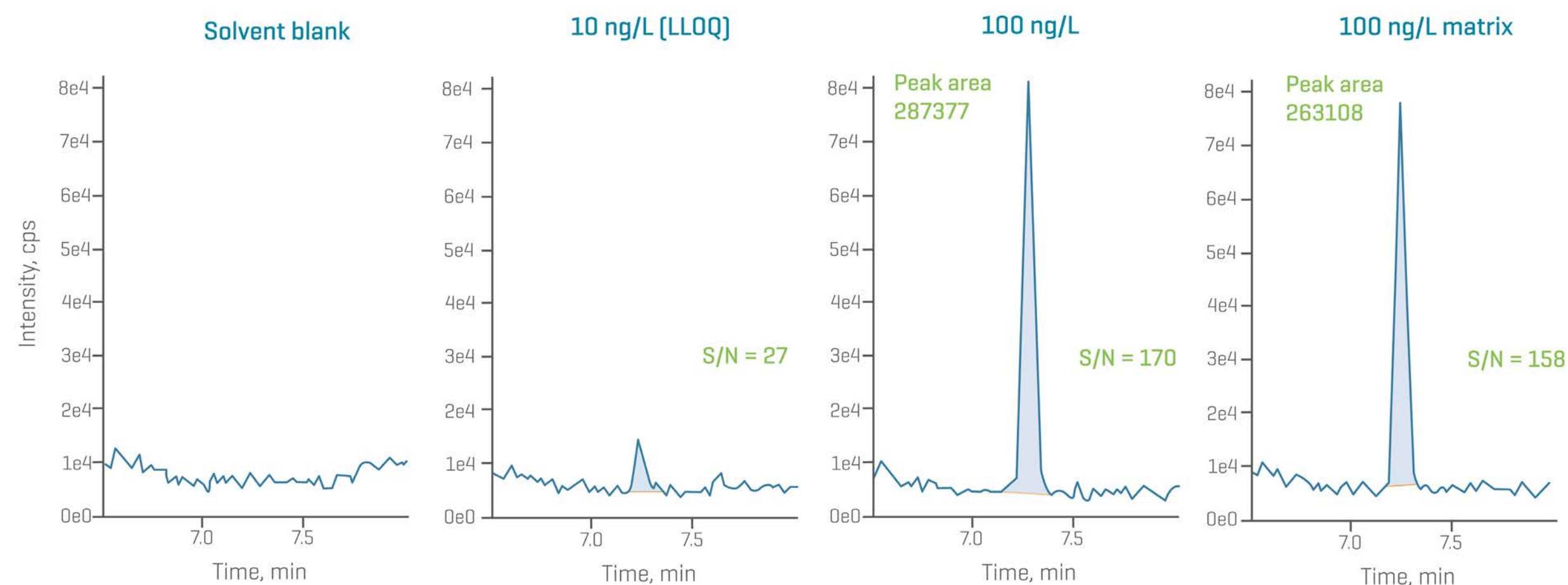
Featured resources

The SCIEX 7500+ system

Ultra-high speed acquisition
and quantitation of food
contaminants in multiple
food matrices

Exploit the fast acquisition rate
of the SCIEX 7500+ system and
analyze more compounds within
a single ejection without losing
data quality

Learn more →



Diuron (herbicide)

MRL_{oranges} = 10ug/kg

Positive polarity

Representative XICs of an example herbicide, diuron, in the solvent blank, in solvent standards at the LLOQ of 10 ng/L and 100 ng/L and in orange juice post-spiked at 100 ng/L acquired in positive polarity using the SCIEX 7500+ system.

Unlock the potential of your SCIEX 7500+ System

Maximize your investment with the SCIEX LC-MS Protect Plus plan

A comprehensive coverage plan that ensures uptime, increases productivity, and generates more throughput. Take advantage of customer-serviceable technology and owner discounts for self-serviceable maintenance and enjoy on-site response, full coverage for parts, labor, and travel, planned maintenance visits, and telephone support.

To access further savings on software licenses and validation services, seamlessly transfer from your warranty period to a service package for uninterrupted lab operations.

*Please note that the SCIEX LC-MS Protect Plus plan is exclusively available at the time of instrument purchase.



Experience both performance and reliability without compromise

Experience the SCIEX 7500+ system

The SCIEX 7500+ system

Maintain our highest sensitivity for up to twice as long

- Run for up to twice as long with no compromise in performance
- Quantify more trace analytes at lower levels in complex matrices
- Maximize your time and investment.

A new standard for instrument robustness

- Mass Guard technology filters ions prior to mass separation
- Quickly develop methods for a wide variety of complex matrices
- Benefit from the potential for reduced sample preparation.

Monitor up to 800 MRM per second

- Our fastest SCIEX Triple Quad system yet enabled by new innovations in ion optics
- Increase the scope for larger quantitation panels
- Gain efficiency by shortening chromatographic run times.

SCIEX OS software enhancements

- Easy monitoring and performance tracking means you can focus your attention where needed
- Save time and reduce the potential for failed batches and repeat measurements.

[Request more info →](#)

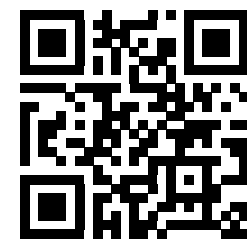


| 0.43 pg/mL |



The power of precision

To learn more please
visit our website by
scanning this QR code:



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