

# Essential LC-MS Performance Kits



## Ensure Your LC-MS/MS Performance Meets Your Standards

### Set a New Standard for System Suitability Testing

Why use a generic performance measure when your workflow is specific? Most LC-MS performance testing methods are developed based on generic laboratory conditions. **SCIEX Essential LC-MS Performance Kits** mimic your workflow to provide relevant, complete system performance information.

### Performance that Reflects Your Workflow

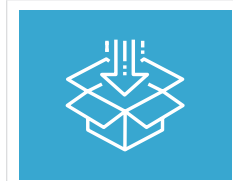
Essential LC-MS performance kits measure the operation of your LC and your MS working together. When used as part of a total Quality System, you can track LC-MS performance to demonstrate method control and to achieve a higher standard of data quality.



Test performance under analytical conditions similar to your daily workflow, with pass/fail criteria



Monitor performance of your entire LC-MS system over time, not just the mass spec



Complete kits, including chemistries, columns, and protocols

### Designed for Your Application

SCIEX Essential LC-MS Performance Kits are an all-in-one testing solution aligned to your everyday assays. Kits are available for the following quantitative workflows:

- Food and Environmental Testing (Pesticides)
- Clinical and Toxicology
- Peptide Quantitation
- Small Molecule Quantitation (Pharma)

### Everything You Need in One Box

Kits contain everything you need to test your system, according to your workflow:

- Compound-specific chemistries, so you know your results are representative of real world performance
- HPLC column from Phenomenex for your sample type, to ensure your LC is separating properly.
- Step-by-step protocol to setup your instrument, easily run the test and assess the results
- Kit methods scan in both positive and negative MRM modes to best reflect your workflow



Start Improving Your System's Performance and Your Data Confidence.

Learn More About SCIEX Essential LC-MS Performance Kits at:  
[sciex.com/essential-performancekits](https://sciex.com/essential-performancekits)

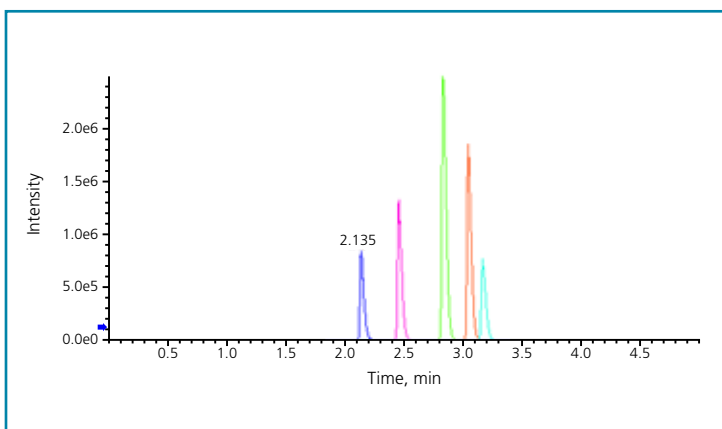
## Kits Overview

Retention Times (min) and Peak Areas (cps) are recorded for each analyte to monitor system stability, data reproducibility and MRM efficiency. SCIEX Essential LC-MS Performance Kits are tested for use on SCIEX Triple Quad® and QTRAP® 4500, 5500 and 6500+ LC-MS and ExionLC™ or Shimadzu HPLC Systems.

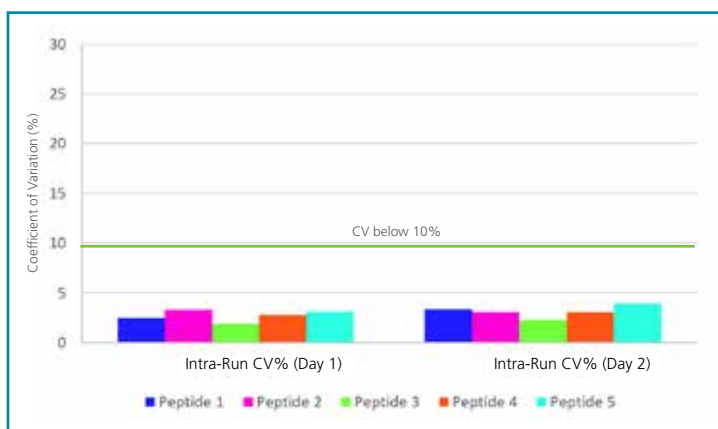
Essential LC-MS Performance Kit	Environmental	Toxicology	SM Pharma	Peptide
Method Run Time <sup>1</sup>	5.0 minutes	4.5 minutes	5.0 minutes	5.0 minutes
Number of Analytes	5	6	4	5
Mass Range (Q1)	230-750	150-350	150-740	470-760
Number of MRM Transitions	5	6	4	5
Polarity Coverage	Pos (+) / Neg (-)	Pos (+) / Neg (-)	Pos (+) / Neg (-)	Pos (+)
Intra-Run Reproducibility <sup>2</sup>	<10%	<10%	<10%	<10%
<b>Part Number</b>	<b>5056819</b>	<b>5056822</b>	<b>5056816</b>	<b>5056815</b>

<sup>1</sup>Does not include sample preparation, instrument setup, mobile phase preparation, column conditioning and data analysis. Total experimental duration is about 3 hours.

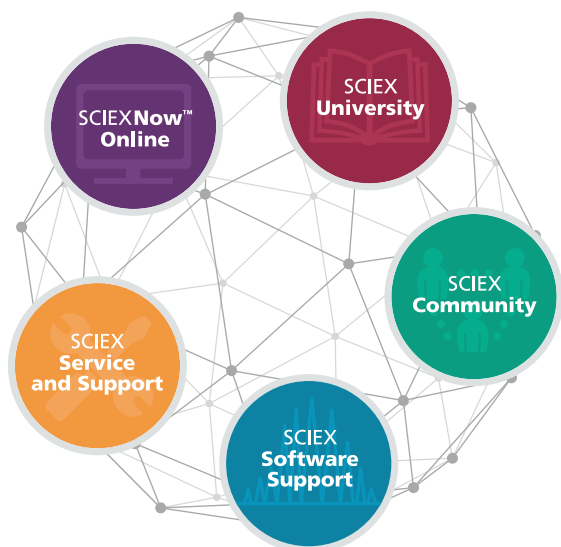
<sup>2</sup>Coefficient of Variation (CV%) of Peak Area and Retention time based upon 5x injections per test/method.



LC-MS System Quality Control (method run time < 5 mins)



Quantitative Performance and Reproducibility Monitoring (CV < 10%)



## Network Your Way to Success

Discover How the SCIEX Success Network  
Speeds Your Path to Answers: [sciex.com/support](http://sciex.com/support)

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Knowledge for Life.™