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
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.

<table>
<thead>
<tr>
<th>Essential LC-MS Performance Kit</th>
<th>Environmental</th>
<th>Toxicology</th>
<th>SM Pharma</th>
<th>Peptide</th>
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</thead>
<tbody>
<tr>
<td>Method Run Time¹</td>
<td>5.0 minutes</td>
<td>4.5 minutes</td>
<td>5.0 minutes</td>
<td>5.0 minutes</td>
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<tr>
<td>Number of Analytes</td>
<td>5</td>
<td>6</td>
<td>4</td>
<td>5</td>
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<tr>
<td>Mass Range (Q1)</td>
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<td>150-350</td>
<td>150-740</td>
<td>470-760</td>
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<tr>
<td>Number of MRM Transitions</td>
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<td>6</td>
<td>4</td>
<td>5</td>
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<tr>
<td>Polarity Coverage</td>
<td>Pos (+) / Neg (-)</td>
<td>Pos (+) / Neg (-)</td>
<td>Pos (+) / Neg (-)</td>
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<td>Intra-Run Reproducibility²</td>
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<td>5056822</td>
<td>5056816</td>
<td>5056815</td>
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¹Does not include sample preparation, instrument setup, mobile phase preparation, column conditioning and data analysis. Total experimental duration is about 3 hours.

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