

Press Release

A-ENG-20023 | June 9, 2020

New LCMS-8060NX Enhanced performance

**World-class sensitivity meets ultra-high detection speed/
Culminates Shimadzu's expertise in triple-quadrupole MS /
Improving robustness and operability for high-speed**

Shimadzu, one of the world leaders in analytical instrumentation, has released the LCMS-8060NX triple quadrupole mass spectrometer. Together with world-class sensitivity and detection speeds, this flagship LC-MS system offers further improvements in ease-of-use and robustness. It offers greater operating efficiency to pharmaceutical companies needing to shorten drug discovery periods or reduce costs, clinical firms that handle complex biological samples, and entities in food science involved in investigating residual pesticides among others. The LCMS-8060NX enhances method development and routine analysis.

In general, LC-MS solutions provide the high selectivity, reliability, productivity and sensitivity required in many industries such as pharmaceutical, food safety, chemical, environmental analysis and clinical. In particular, the new LCMS-8060NX offers world-class performance regarding these features and culminates Shimadzu's expertise in triple-quadrupole MS:

- **World-class sensitivity and detection speed**

The LCMS-8060NX offers among the highest sensitivity and detection speeds in the world and includes internal mechanical improvements to promote sample ionization. This enables high-sensitivity analysis even for compounds that are difficult to ionize.

- **High robustness minimizes downtime**

The newly introduced IonFocus unit reduces instrument contamination by

guiding ions to the interior more efficiently and removing unwanted components, which helps to prevent decreases in detection accuracy or sensitivity. In addition, more robust components are used in ion-focusing, enabling more reliable analysis. The LCMS-8060NX therefore offers both higher sensitivity analysis and lower downtime.

- **Excellent ease-of-use for greater workflow efficiency**

The system includes several “Analytical Intelligence” functions to maximize analysis throughput and improve the operational efficiency and productivity of the entire workflow, from preparations for analysis through to data processing. For example, the LCMS-8060NX includes a new ionization unit that is capable of high-sensitivity analysis without the need for complicated adjustments and enables more efficient method development, as well as functions to start up or shut down analytical instruments automatically in combination with a Shimadzu Nexera LC system.

- **Flexibility of a common platform**

Shimadzu’s powerful LC-MS range from single to triple quadrupole systems enables more compounds to be screened in less runs while increasing sensitivity and data quality. Many accessories, software, data banks and method packages complement the systems. Depending on the need for sensitivity in the lab, one model always fits, bringing robustness while keeping the flexibility to upgrade at a later stage as soon as requirements change.

Web summary

Shimadzu has released the LCMS-8060NX triple-quadrupole mass spectrometer. With world-class sensitivity and detection speeds, this flagship LC/MS system offers further improvements in ease-of-use and robustness. The LCMS-8060NX benefits method development and routine analysis, and targets industries such as chemical, pharmaceutical, food safety and environmental analysis as well as clinical. The new LCMS-8060NX offers world-class performance regarding high selectivity, reliability, productivity and sensitivity, and culminates Shimadzu's expertise in triple-quadrupole MS.



Figure 1: The LCMS-8060NX with world-class sensitivity and ultra-high detection speed culminates Shimadzu's expertise in triple-quadrupole MS

Weblink: www.shimadzu.eu/enhanced-performance



For further editorial questions, please contact:

Marketing Communication Europe

Shimadzu Europa GmbH

Albert-Hahn-Str. 6-10

D-47269 Duisburg

Tel.: +49 (0)203-7687410

E-Mail: shimadzu@shimadzu.eu

Download is possible via:

www.shimadzu.eu/press-information

www.shimadzu.eu