

Shimadzu launches gas chromatograph mass spectrometer

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Singapore: Shimadzu Corporation introduced the GCMS-TQ8030 ultra fast triple quadrupole gas chromatograph mass spectrometer, achieving the next step forward in Shimadzu's GC-MS history of innovation.

Shimadzu also launched the LCMS-8040 and LCMS-8080, thus expanding its LC-MS/MS product portfolio. By launching all three products at ASMS 2012, Shimadzu expanded its mass spectrometry product line, called ultra fast mass spectrometry (UFMS) series, featuring high sensitivity, high data quality and fast cycle times.

"The newly-developed GCMS-TQ8030 features powerful capability in terms of both high sensitivity and ultrafast performance, enabling trace analysis at the parts-per-trillion level," said Hiroto Itoi, general manager of mass spectrometry business unit, life science business department of analytical and measuring instruments division.

In such areas as food and water safety, regulatory bodies typically set the concentration level of residual pesticides at below 10 parts-per-billion unless there is any toxicology result. These analyses must be done in complex matrices and the number of target components has been increasing year by year. "The GCMS-TQ8030 is designed to fulfill these needs," said Hiroto Itoi.

With the LCMS-8040 and LCMS-8080, Shimadzu's LC-MS/MS product portfolio now includes middle-range and high-end models. With novel technologies designed for trace quantitative works in complex matrices, the LCMS-8080 provides best-in-class sensitivity.