BioSpectrum
the business of Bi
24 years of leveraging the business of Bio
www.biospectrumindia.co

Waters introduces high res mass spectrometry products, software for drug development

07 June 2022 | News

Launches new Xevo G3 quadrupole time-of-flight mass spectrometer, CONFIRM Sequence app on waters_connect software platform and Electrospray ionization (ESI) source



Waters Corporation has unveiled new instruments, software and product enhancements to drive drug discovery and development at the American Society for Mass Spectrometry (ASMS) 2022 Annual Conference. The products include the new Xevo G3 quadrupole time-of-flight (QTof) mass spectrometer, CONFIRM Sequence - a new oligonucleotide sequencing confirmation app for the waters_connect software platform and an electrospray ionisation source for the high-resolution Waters SELECT SERIES Multi-Reflecting Time of Flight (MRT) mass spectrometer.

The new Xevo G3 QTof system is a high-performance, benchtop mass spectrometer for characterizing and quantifying molecules in applications such as biotherapeutics, forensics, metabolite identification, metabolomics and extractables and leachables. The Xevo G3 QTof system is up to 10X more sensitive than its class-leading predecessor at transmitting thermally fragile molecules and excels at measuring and characterising denatured or native proteins, peptides and other biotherapeutics.

The CONFIRM Sequence app on the waters_connect software platform helps scientists using a Waters LC-MS System to confirm the nucleic acid sequence of therapeutics and identify impurities that could compromise product safety and efficacy.

The CONFIRM Sequence app eliminates 50 per cent of the time it takes for post-processing data review, accelerating the characterisation and development of nucleic acid therapeutics.

The Waters SELECT SERIES MRT System is now compatible with UPLC-MS with an available electrospray ionization (ESI) source. Coupling the high-resolution MRT System with the ESI source enables scientists to accurately resolve and measure low (<200 ppb) concentrations of sample analytes at UPLC acquisition speeds for metabolomics, metabolite identification or peptide mapping applications.