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Waters unveils Xevoâ?¢ MRT P10 Mass Spectrometer for high-throughput multiomics

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Delivers up to 20x improvement in MS/MS sensitivity and 2x faster acquisition speeds

US-based Waters Corporation has introduced the Waters Xevo™ MRT P10 Mass Spectrometer (MS), a high-resolution Quadrupole Time-of-Flight (QToF) System for high-throughput multiomics, bioanalysis, and biopharmaceutical laboratories.

The Xevo MRT P10 MS delivers up to 20x higher MS/MS sensitivity compared to its predecessor, along with industry-leading speed and expanded acquisition modes to comprehensively support both targeted and untargeted analysis in a single benchtop platform.

The system is designed to accelerate biomarker discovery and validation while supporting the identification of disease pathways and therapeutic targets across large-cohort biomedical research and epidemiology studies.

As researchers pursue deeper analytical insights, they face a bottleneck: generating high quality MS/MS information at the speed required by modern workflows. The Xevo MRT P10 MS is engineered to solve that problem. It offers up to 20× greater MS/MS sensitivity, helping scientists detect low-abundance compounds in complex samples.

With acquisition speeds twice as fast as its predecessor, it is the fastest benchtop HRMS system currently available. The new system supports rapid throughput, alongside exceptional resolution and mass accuracy, delivering the highest data quality and confidence. When combined with the DESI XS ion source, rapid spatial analysis is unlocked down to the cellular level at up to 200 Hz, increasing throughput six-fold while preserving image quality.

The Xevo MRT P10 MS is perfectly positioned to support long-term growth across multiomics, including proteomics, lipidomics, and metabolomics, as well as biopharmaceutical analysis and drug discovery.