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Waters launches Xevo TQ Absolute XR IVD Mass Spectrometer

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Offers 5x greater sensitivity vs. in-class instruments with lower detection limits in smaller sample volumes



US-based Waters Corporation has announced the launch of the Xevo TQ Absolute XR IVD Mass Spectrometer, expanding its MassTrak™ IVD System portfolio of LC-MS/MS Systems with a solution that combines class-leading sensitivity and enhanced robustness for clinical applications.

The new system builds on the industry-renowned step-change performance of the Xevo TQ Absolute IVD Mass Spectrometer, which established the benchmark for sensitivity among IVD-compliant tandem quadrupole mass spectrometers.

Developed for routine laboratory testing requiring IVD-compliant systems, the Xevo TQ Absolute XR IVD System delivers exceptional trace-level analytical performance in complex biological matrices. With up to five times greater sensitivity than other instruments in its class, the system enables lower limits of detection and reliable quantification of challenging analytes from smaller sample volumes.

This enhanced sensitivity is critical for applications requiring accurate measurement at very low concentrations, such as low-level estradiol testing for women's health and hormone-related cancer assessment, and hair toxicology for detecting drugs of abuse and documenting long-term exposure.

Featuring the new StepWave™ XR Ion Guide, the Xevo TQ Absolute XR IVD System delivers improved robustness, enabling ion ratio consistency for up to six times longer compared with the Xevo TQ Absolute IVD System.