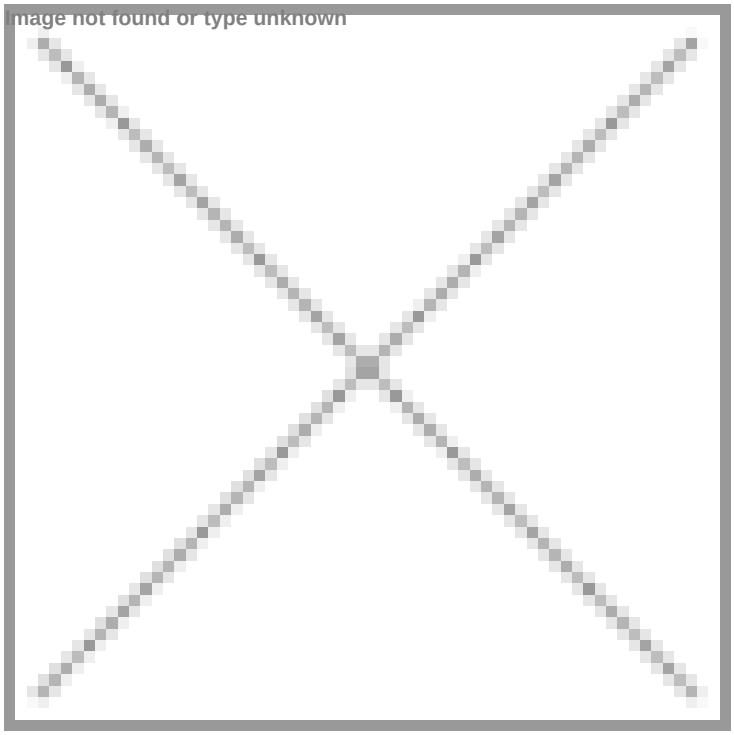
BioSpectrum the business of Bio & Health Sciences

# Agilent unveils next generation in LC-Mass detection- The InfinityLab Pro iQ Series

28 May 2025 | News

**Setting new standards for intelligent mass detection, sensitivity, and sustainability**




Agilent Technologies Inc. has announced the launch of its latest innovation in liquid chromatography (LC)-mass detection: the Agilent InfinityLab Pro iQ Series. This groundbreaking series includes the InfinityLab Pro iQ and the InfinityLab Pro iQ Plus, each tailored with distinct features and capabilities to meet the diverse analytical needs of modern laboratories.

These advanced, intelligent systems are particularly well-suited for analyzing essential molecules such as therapeutic small molecules, oligonucleotides, peptides, and proteins.

The Pro iQ Series is designed to serve a broad range of end markets, including pharmaceutical and biopharmaceutical industries, academic and government research institutions, environmental testing labs, food safety organisations, and the chemical and specialty materials sector. With its precision, sensitivity, and intelligent design, the series supports applications such as mass confirmation, impurity profiling, biomolecule characterisation, trace contaminant detection, and compound purification, empowering scientists to achieve high-quality, reliable results in both routine and advanced analytical workflows.

The Pro iQ Series delivers exceptional performance and sensitivity, making it ideal for monitoring complex biomolecules and detecting impurities. Whether analysing therapeutic small molecules, oligonucleotides, peptides, or proteins, the systems provide robust, high-resolution data to ensure accuracy, safety, and stability. The series also enables mass-based

purification, allowing precise isolation of target compounds for downstream applications.

The Pro iQ Plus system is engineered for high-end applications that demand ultimate sensitivity and performance. With an expanded mass range of m/z 2–3,000 and enhanced sensitivity through Agilent Jet Stream (AJS) technology, it supports both routine and trace-level detection of small and large molecules. These capabilities make it especially valuable in advanced R&D environments where extended analytical performance is critical.