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Agilent announces release of next-generation HPLC systems with enhanced automation and sustainability capabilities

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Featuring the new Agilent InfinityLab Assist Technology



Agilent Technologies Inc. has announced the release of its next generation Agilent InfinityLab LC Series portfolio, which includes the 1290 Infinity III LC, 1260 Infinity III Prime LC, and 1260 Infinity III LC systems, all including the biocompatible versions.

These are the first HPLC systems on the market to feature the new Agilent InfinityLab Assist Technology, offering enhanced, built-in system assistance capabilities. This technology allows labs to focus more on achieving results rather than on daily operation and maintenance tasks.

With the introduction of these new LC systems, Agilent is revolutionising the LC user experience. These systems significantly enhance task automation, connectivity, predictive feedback, and error reduction. The innovative built-in sample tracking, utilising barcoding and camera technologies ensures the elimination of sample mix-ups, providing users with greater accuracy and peace of mind.

The incorporation of the new InfinityLab Assist is designed to enhance the on-board capabilities of the LC for all users. It supports analysts of all skill levels by automating instrument routines, simplifying sample preparation, assisting with maintenance and troubleshooting, and providing context-sensitive help content and solvent management guidance. These features will transform the user experience by eliminating repetitive and error-prone manual tasks, reducing the time required for training and onboarding, and delivering greater robustness and instrument insights that strengthen confidence in the results.

Additionally, the instruments in the new Infinity III LC Series feature method compatibility with earlier LC systems and seamless chromatography data systems (CDS) integration. The new systems feature third-party verification by My Green Lab's revised ACT 2.0 Ecolabel, a global standard for assessing the environmental impact of laboratory equipment and supplies. They will also be the first LC systems to provide their CO_2 footprint to customers.