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ChromSword to deliver Rapid Automated HPLC and UHPLC method development system

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Collaborates with Thermo Fisher Scientific to enable chromatographers to deliver robust and validated methods in less time



Provider of innovative software products in Europe (Germany & Switzerland) ChromSword have collaborated with Thermo Fisher Scientific to launch an automated high performance liquid chromatography (HPLC) and ultra-high performance liquid chromatography (UHPLC) method development system. The models enable chromatographers to deliver robust and validated

methods in less time and with higher confidence.

The new "Thermo Scientific Vanquish Method Development HPLC and UHPLC system" provides an integrated, network-deployable solution for automated method development and validation for diode-array, charged aerosol and mass spectrometric detection.

Built for ease-of-use and speed, the system strategically combines the leading "Vanquish HPLC and UHPLC systems" and the "Thermo Scientific Chromeleon Chromatography Data System (CDS)" with ChromSwordAuto and ChromSword AutoRobust software. It leverages artificial intelligence to minimize manual interaction and enables method creation for complete compound detection with no prior sample knowledge required. Enhanced confidence is assured through multiple detection capabilities, and the integrated "Chromeleon Data Vault" further reinforces data integrity and compliance.

"Liquid chromatography method development is an incredibly time-consuming and labor-intensive process. To efficiently develop robust methods, frequent manual interactions and extensive method development experience are critical. The Vanquish Method Development HPLC and UHPLC system solve this challenge by allowing to automate method development and validation, saving time and eliminating prerequisite expert user knowledge" said Christoph Nickel, senior director software marketing, Thermo Fisher Scientific.

Dr. Sergey Galushko, head of research and development at ChromSword, said "Chromeleon CDS and ChromSwordAuto are two of the most powerful chromatography software systems available. By combining the intelligent method development capabilities of ChromSwordAuto with Chromeleon software's flexible instrument control functionalities, we're providing users with a complete suite of method development and validation tools. Through this package, a substantial reduction in method development time is possible for Chromeleon CDS users working with small and large molecules."

In addition to speed and ease-of-use, the system offers unparalleled method flexibility to pharmaceutical, biopharmaceutical, chemical and food testing laboratories, boasting automated column switching and universal analyte detection, with mass spectrometry-based peak tracking capabilities delivering more reliable results.