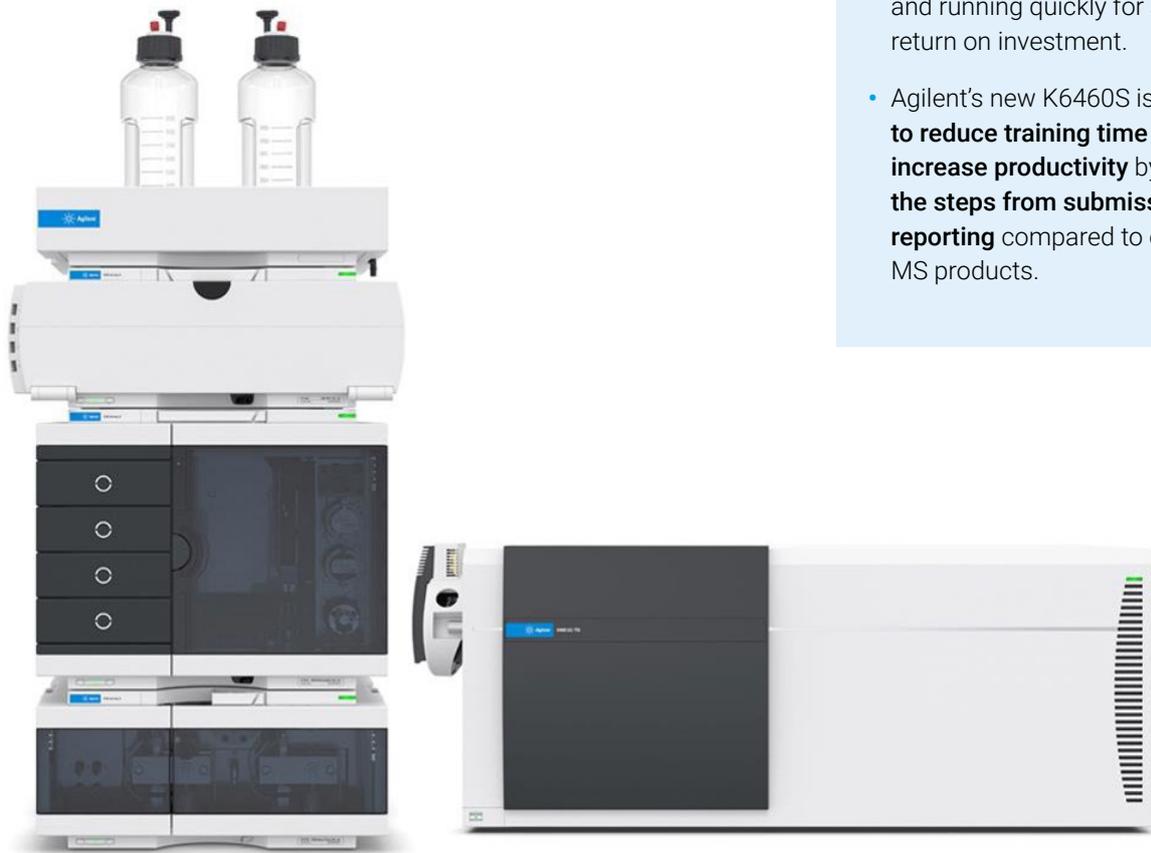# Agilent K6460S LC/MS

Overview

The next-generation Agilent K6460S is a fully integrated LC/MS system designed to meet the needs of clinical laboratory managers and combines liquid chromatography (LC) and mass spectrometry (MS) to provide a comprehensive In Vitro Diagnostic (IVD) solution.

In a time where the need for more sophisticated instruments with a greater efficacy is a challenge faced by many lab managers, the Agilent K6469S aims to answer this need. In a clinical laboratory setting, users will be able to have confidence in their results when performing diagnostic assays, due to the accuracy and specificity Agilent's K6460S offers. The system provides users with increased productivity through its use of Agilent's intuitive MassHunter software, as it allows users to find and review samples that fall outside user-set definitions without too many steps in-between.

Key uses:

- The Agilent K6460S LC/MS system is ideal for clinical diagnostic labs that want to **detect lower-concentration analytes**, as the instrument is designed to offer sensitivity and specificity to identify analytes of interest.

- **Purpose-built for diagnostic workflows** and easily implemented, this fully validated LC/MS solution will help labs up and running quickly for a faster return on investment.

- Agilent's new K6460S is **designed to reduce training time and increase productivity** by **limiting the steps from submission-to-reporting** compared to other LC/MS products.

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Key features:

- **Simplified operator workflow**

  Agilent MassHunter Study Manager software makes routine sample submission easy and convenient by allowing the user to select from predefined methods and sample lists with just a few simple clicks.

- **Automated batch data analysis**

  Study Manager's automated data analysis feature ensures that sample batches are always processed using the same method parameters while making it possible to move from submission to report in just a few clicks. Study Manager conveniently saves batch data files and reports using either default or customizable directories to ensure that the data stays organized.

- **Map existing list into sample batches**

  Study Manager supports importing .csv files using the built-in MapFile generator and gives operators the ability to create or modify sample lists without specialized expertise. This feature can also be used to conveniently import most automated sample preparation or laboratory information system (LIS) data.

- **Review by Exception**

  Adding the MassHunter Quant software to the Study Manager workflow provides users with the possibility to find and review results that fall outside user-defined thresholds. This saves time identifying results through the routine steps they otherwise have to take.

Benefits for clinical laboratory managers

The Agilent K6460S LC/MS system is beneficial for clinical laboratory managers due to its ability to increase sensitivity, selectivity, and reliability. For users to make the most of out of it, the system is designed with **efficient sample handling and logistics**, has the ability to **utilize several detection methods** through a single detector, includes the addition of the **1260 Infinity binary pump**, and has an **easy-to-access multicolumn thermostat** that allows users to run different methods automated without the need to disconnect and reconnect their columns—saving both time and energy.

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