Fully Validated, Easily Implemented

The all-in-one Agilent K6460S LC/MS system for clinical diagnostic labs
Benefit from the Sensitivity of Mass Spectroscopy

The Agilent K6460S LC/MS system is ideal for clinical diagnostic labs that want to detect lower-concentration analytes.

Easily implemented, this fully validated LC/MS solution will help your lab increase productivity with technology that has been purpose-built for your workflow.

Adding new technology or training new technologists has traditionally required a steep learning curve. Not this time.

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

Benefits of the Agilent K6460S system

- A simplified LC/MS workflow thoughtfully designed to take you from sample submission to result reporting in just a few clicks.
- Agilent’s most intuitive and time-tested LC/MS technology to give you results you can understand and explain.
- Excellent sensitivity using LC/MS technology, giving you the highest confidence in your results.
- Robust and reliable LC and MS technologies that have been fully validated for clinical use, so that you can be confident in the diagnostic results you provide.
- A versatile technology giving you the flexibility to develop assays for different analytes today and in the future. Never again limit yourself to a one-trick analyzer.
Consolidate Your Workflow with Agilent MassHunter Study Manager program

**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 your study stays organized no matter how busy your workflow gets.

**Map your existing list into sample batches**
Study Manager supports importing .csv files using the built-in MapFile generator and gives you 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 LIS data.

**Review by Exception**
Supplement the Study Manager workflow with MassHunter Quant software to rapidly find and review results that fall outside user-defined thresholds, without wasting time reviewing routine chromatograms.
Prepare Your Analyte for Detection with Efficiency at Every Step

The fully integrated K6460S systems is a U.S. FDA Class I Medical Device, validated to perform clinical diagnostics.

 Efficient sample handling and logistics

The 1260 Infinity II LC gives you unmatched flexibility to handle multiple sample containers. Simply exchange a sample tray or an entire drawer in the easy-to-access multisampler and submit your samples for analysis through the intuitive software interface. Hundreds or even thousands of samples can be processed – with no manual interaction.

 Efficient solvent delivery and proportioning

The 1260 Infinity II binary pump is ideally suited for a broad range of LC applications using columns with conventional particles, superficially porous particles, or sub-2-micron particles. Gradient formation is based on high-pressure mixing and you can easily configure delay volumes (standard or low). This binary LC pump delivers reproducible gradients for routine HPLC or UHPLC applications with MS detection where speed, resolution, and uncompromised data quality are essential.

 Efficient column handling and switching

The 1260 Infinity II multicolumn thermostat holds up to four 30 cm columns and gives you direct access to each column through an InfinityLab Quick Change switching valve. Run different methods automated without the need to disconnect and reconnect your columns. Nonremovable, single-use tags for all four columns record identity and full usage history, ensuring compliance with regulatory guidelines. Column tracking also helps you to prevent failures during important sequences or avoid mismatch of stationary phases, solvents, and temperatures.

 Efficient sample detection

The K6460 mass spectrometer gives you the flexibility to detect a broad range of well established clinical assays with high sensitivity. Capable of interchangeably utilizing several detection methods through a single detector, the K6460 increases productivity by using the same tool for multiple analyses.

An easy-to-access compartment facilitates fast and straightforward column exchange with InfinityLab Quick Connect column fittings. Next-generation InfinityLab Quick Connect heat exchangers are also easily connected or replaced.
Invest in Versatility, Sensitivity, and Reliability

Extend the operation phase of your equipment life cycle

Unlike many other diagnostics instruments, Agilent clinical LC/MS systems can be used to run multiple assays developed exclusively for your needs. As a Class I Medical Device, the Agilent K6460S system allows you to perform an array of lab developed tests using up to four different mobile and stationary phases.

Increase the sensitivity of your assay for added confidence

By using one of the most sensitive analytical detection techniques available, Agilent clinical LC/MS systems enable you to have full confidence in your sample results.

Boost your throughput with a demonstrably reliable LC/MS platform

Agilent’s K6460S offers excellent robustness even in high-throughput environments running complex sample matrices.

![Robustness test in serum: 2000 injections](image)

<table>
<thead>
<tr>
<th>Testosterone</th>
<th>RSD (%) 2000 injections</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak area</td>
<td>1.42%</td>
</tr>
<tr>
<td>ISTD corrected area ratio</td>
<td>0.82%</td>
</tr>
<tr>
<td>Retention time</td>
<td>0.27%</td>
</tr>
<tr>
<td>Qualifier ratio</td>
<td>0.86%</td>
</tr>
<tr>
<td>Manual</td>
<td>4-plex sequence pool</td>
</tr>
</tbody>
</table>
Learn how Agilent’s K6460S LC/MS technology can maximize your clinical diagnosis with powerful insight.

See What Our Intuitive Technology Can Do

The K6460S is composed of intuitive and time-tested LC/MS technology to make learning the technology easier than ever before.

Agilent’s clinical LC/MS technology can improve your lab’s productivity. Whether you’ve been running assays for years or are a recently certified technologist, we can help you achieve quick submission-to-reporting turnaround times.
Agilent CrossLab: From Insight to Outcome

CrossLab is an Agilent capability that integrates services, consumables, and lab-wide resource management to help laboratories improve efficiency, optimize operations, increase instrument uptime, develop user skill and more. Our industry-leading services keep your instruments running at peak performance, and include instrument technology refresh, application consulting, repairs, preventive maintenance, compliance verification, and education. Agilent CrossLab supports Agilent and select non-Agilent instruments and provides consultative support for workflow enablement, lab analytics, compliance, inventory management and asset management, including relocation services.

Learn more:
www.agilent.com/chem/K6460S

Buy online:
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Get answers to your technical questions and access resources in the Agilent Community:
community.agilent.com

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