

Agilent 7010D Triple Quadrupole GC/MS System

Key Uses

- Ultra-trace-level targeted quantitation of analytes at the lowest detection limits possible.
- Sensitivity combined with robustness to handle the most complex sample matrices.
- Routine high-performance analysis of pesticide residues in food & cannabis, environmental SVOCs, dioxins, PCBs, and PAHs, and drug impurity analysis.

Key Features

- Next generation HES 2.0 ion source for ultimate sensitivity with high precision.
- Built-in GC/TQ intelligence with SWARM autotune, Early Maintenance Feedback (EMF), and advanced diagnostic tools.
- Accountability, Consistency, and Transparency (ACT) label.
- MassHunter Acquisition 13.0 hosts a new user-interface and tools for users to take control of data integrity and compliance.

Overview

The Agilent 7010D triple quadrupole GC/MS system (7010D GC/TQ), is a testament to customer-driven excellence. The GC/TQ system features the new HES 2.0 ion source, providing attogram-level sensitivity, unmatched robustness, and industry-leading uptime. Built-in intelligence, including SWARM autotune and Early Maintenance Feedback (EMF), streamlines analytical workflows and reduces unplanned instrument downtime, making it a reliable partner in navigating evolving regulatory requirements.

The 7010D GC/TQ showcases the commitment Agilent has made for sustainability through the Accountability, Consistency, and Transparency (ACT) Label, reflecting environmentally conscious manufacturing practices. The MassHunter Acquisition 13.0 software enhances user experience with a refreshed interface and compliance tools, enabling users to take control of data integrity and adhere to compliance guidelines such as FDA 21 CFR Part 11, EU Annex 11, and GAMP5.

Agilent continues to prioritize customer needs, ensuring that the 7010D GC/TQ goes beyond being an analytical instrument, establishing itself as a reliable strategic ally in the ever-evolving landscape of regulatory compliance.



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HES 2.0 Ion Source

The HES 2.0 Ion Source represents the latest patented innovation in HES technology, offering attogram-level sensitivity, exceptional robustness, and unparalleled uptime across all high-end GC/TQ systems. Redefining standards for sensitivity and reliability in both advanced research and routine analysis.

GC/TQ Intelligence

The 7010D GC/TQ boasts many intelligent features, including AI-powered SWARM Autotune for more precise tuning, EMF for real-time system health insights, and the Air and Water Leak Test for easy leak detection. Additionally, the 7010D leverages the built-in intelligence of the 8890 GC and Intuvo 9000 GC, both of which offer self-aware features and remote connectivity for efficient troubleshooting.

ACT Label

To enable our GC/MS users to make a better-informed, sustainable choice, Agilent has partnered with My Green Lab to have the 7010D GC/TQ independently audited for their Accountability, Consistency, and Transparency (ACT) Label.

MassHunter Acquisition 13.0

A refreshed but familiar user-interface with optional tools allows users to ensure data integrity and compliance when needed. Its coverage extends beyond just the GC/TQ portfolio to seamlessly integrate with GC/MSD and GC/Q-TOF as well. ECM XT provides users excellent control over analytical workflows while maintaining the highest standards of quality and compliance.

Key Benefits of the Agilent 7010D Triple Quadrupole GC/MS to Lab Operators & Managers

High Performance

The 7010D GC/TQ excels in ultra-trace-level analysis for complex applications, ensuring unparalleled sensitivity and robustness. This high performance enables precise results in challenging matrices, while also facilitating cost savings by minimizing extraction volumes.

Instrument Intelligence

The intelligence of the 7010D GC/TQ ensures prolonged productivity. It automates instrument tuning for consistent optimal performance and provides real-time early maintenance feedback, allowing users to anticipate and schedule downtime proactively. This intelligent system ensures the 7010D remains in constant, reliable working condition.

Analytical Throughput

The 7010D GC/TQ, with its advanced hardware and intuitive MassHunter software, boosts analytical throughput. This synergy accelerates data acquisition and analysis, enhancing efficiency and precision. Laboratories benefit from increased capacity to handle higher workloads and meet time-sensitive analysis demands.

For more information visit www.agilent.com

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