

Mass spectrometry

Redefining capability. Elevating experience.

Complex contaminant analysis redefined
TSQ Altis Plus EFOX Edition Mass Detector



Built-for-purpose mass detection

This purpose-built triple quadrupole mass spectrometer is designed to meet the evolving demands of environmental and food and beverage testing, enabling high-confidence targeted quantitation—even in the most complex matrices.

Welcome to the Thermo Scientific™ TSQ Altis™ Plus EFOX Edition Mass Detector, a triple quadrupole system optimized for routine and advanced environmental and food safety testing. Designed with application-relevant robustness, it delivers consistent, reliable results even for challenging samples.

High-speed MS² acquisition with dual collision-induced dissociation (Dual-CID) MS³-like data generation supports global regulatory requirements, providing traceable and accurate results. Integrated with Thermo Scientific™ Chromeleon™ software and Thermo Scientific™ Vanquish™ dual channel UHPLC systems, the TSQ Altis Plus EFOX Edition Mass Detector streamlines workflows from acquisition to reporting, reduces manual intervention, and accelerates turnaround times, while maintaining the selectivity and sensitivity required for confident contaminant analysis. Built on proven TSQ Series technology, the TSQ Altis Plus EFOX Edition Mass Detector makes advanced, triple-quadrupole selectivity accessible to a broad range of laboratories—from routine testing environments to research-focused facilities.



The TSQ Altis Plus EFOX Edition Mass Detector coupled to the Thermo Scientific™ Vanquish™ Flex Duo dual channel system delivers built-for-purpose mass monitoring.

Enhanced capabilities | Regulatory compliance | Reliability

- **Simplicity for environmental and food safety laboratories**

The Chromeleon software offers built-in methods, control, data processing and management that simplify tasks and reduce errors for more 'right first time' analyses. A suite of smart tools make work faster and easier, helping to ensure reproducible, high-quality mass monitoring.

- **Enhanced method development capabilities**

Enhances method development by combining traditional MS² with enhanced collision-induced dissociation (S-CID) in a Dual CID approach to yield MS³-like fragments. This approach improves fragmentation flexibility and selectivity across diverse compounds and matrices, enhancing transition optimization and enabling robust, compliance-ready methods with minimal rework.

- **Compliance for competitive advantage**

Designed for data integrity, data security, and compliance, fully scalable Chromeleon software gives you a competitive edge in meeting global regulatory requirements.

- **Consistent results deliver confidence**

Robust and reliable performance from system to system and from site to site helps ensure high-confidence results used to make critical decisions. Leveraging the proven performance of TSQ Series technology, it helps deliver exceptional consistency.

- **Complexities in environmental testing**

The TSQ Altis Plus EFOX Edition mass spectrometer simplifies environmental testing workflows, enabling faster and more reliable detection of a wide range of pollutants, including ubiquitous contaminants like per- and polyfluoroalkyl substances (PFAS). Its enhanced fragmentation capabilities and streamlined data processing reduce turnaround time and operational burden, helping labs achieve and maintain regulatory compliance adherence more efficiently.

- **Challenges in food safety testing**

With out-of-the-box workflows for key environmental and food safety applications, including PFAS and pesticide testing, the high-throughput TSQ Altis Plus EFOX Edition mass spectrometer is ready for compliance, supporting labs in meeting stringent regulatory requirements with confidence and efficiency.





Technical and online support: Peak performance for your instruments

Helping you keep your instruments running at peak performance is our goal. Whether you're looking for an instrument manual or spare parts, want to submit a repair request, or check on the status of your warranty or service contract, we have every support option you're looking for.

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Targeted MS quantitation—controlled and accessed from anywhere

Streamline targeted MS quantitation by combining Chromeleon software with Thermo Scientific™ MS systems for a superior solution. Chromeleon software offers data processing tailored for targeted MSⁿ quantitation and screening workflows.

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