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Thermo Fisher introduces mass spectrometers to simplify trace elemental analysis and enhance productivity

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iCAP MX Series ICP-MS platform balances sensitivity and efficiency to deliver accurate and precise analysis of high matrix samples



Thermo Scientific iCAP MTX ICP-MS



Thermo Scientific iCAP MSX ICP-MS

Thermo Fisher Scientific Inc. has launched the Thermo Scientific iCAP MX Series ICP-MS to simplify trace element analysis with inductively coupled plasma mass spectrometry (ICP-MS). The launch includes a new single quadrupole Thermo Scientific iCAP MSX ICP-MS and triple quadrupole Thermo Scientific iCAP MTX ICP-MS designed for environmental, food, industrial and research labs to analyse routine and challenging trace elements to detect and mitigate harmful substances.

Laboratories that face challenges in analysing trace elements in complex and diverse matrix samples require sensitive and flexible instruments to deliver consistent results that support analytical research and quality testing.

The single quadrupole iCAP MSX ICP-MS delivers a high level of analytical performance without the usual compromise between matrix load and sensitivity, enabling users in applied analytical labs to consistently analyse various elemental samples. Building on this performance, the triple quadrupole iCAP MTX ICP-MS offers interference-free analysis for heightened confidence when analyzing more complex samples.

Routine maintenance and the associated re-turning of the instrument also can slow productivity in the lab, especially for labs handling heavy matrices. The iCAP MX Series ICP-MS platform combines minimal interference with the flexible matric capabilities of argon gas dilution to ensure the right-first-time analyses of samples. The argon gas dilution features an integrated new cone design and advanced tuning techniques that extend the period between user maintenance from multiple times per week to weekly or less to minimise downtime and improve efficiency.