

## Thermo Fisher Scientific introduces mass spectrometers to simplify trace elemental analysis

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Thermo Fisher Scientific 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 analysing more complex samples.

From environmental testing to food safety, the MSX ICP-MS analyses a range of samples to meet regulatory and turnaround requirements. Environmental testing labs gain the ability to detect contaminants like lead or mercury to prevent harmful human exposure in drinking water or other environmental samples. Food safety labs achieve fast and accurate analysis of toxic and nutritional elements to ensure food products are safe for consumption and that food labelling requirements are met throughout production. Additionally, labs supporting the high-tech industry can use either instrument in the iCAP MX Series ICP-MS to support production sites and accelerate research discoveries.