

**RELEASE****Thermo Scientific iCAP RQ ICP-MS**

*Simplicity, productivity and robustness for routine labs in agribusiness*



This innovative single quadrupole (SQ) ICP-MS is the ideal trace elemental analyzer for a wide range of several agricultural samples.

The Thermo Scientific™ iCAP™ RQ ICP-MS is particularly suited to the analysis of food, simultaneously determining trace level contaminants and macro level nutrients. This system provides a simple, robust, multielemental analysis method for major and minor concentrations of elements in food.

The simultaneous determination of all elements of interest in a wide range of food samples can be done efficiently and quickly by the Thermo Scientific™ iCAP™ RQ ICP-MS.

**DESCRIPTION****Simplicity guarantees user-friendly operation**

- Quick connect sample introduction system
- Easy access cones via bench-height drop-down door
- Open geometry architecture for easy peripheral connection
- Intuitive platform software for seamless workflows

**Productivity delivers more analysis in less time**

- Less training for software and hardware
- Compatibility with automation and sample handling systems
- Comprehensive interference removal in single measurement mode
- Reduced drift and operator intervention

**Robustness ensures high up-time and low maintenance**

- Improved matrix tolerance interface
- All new state-of-the-art electronics
- New sturdy design RF generator
- Reliable hot and cold plasma operation

Comprehensive interference removal assures data accuracy, while our innovative helium Kinetic Energy Discrimination (He KED) technology enables measurement of all analytes in a single mode.

Our highly effective QCell collision/reaction cell, combined with unique flatapole design reduces BECs even further than He KED alone, through the clever, dynamic application of low mass cut off (LMCO).

Intuitive Thermo Scientific™ Qtegra™ Intelligent Scientific Data Solution™ (ISDS) software delivers all the support features essential to any lab, while containing all the flexibility needed to achieve the most challenging applications.

# Complete trace elemental analysis

Innovation inspired by real laboratory needs lies at the core of our trace elemental analysis instruments. The iCAP RQ ICP-MS part of the new Thermo Scientific™ iCAP™ Qnova™ Series ICP-MS, delivers the accuracy, robustness and ease of use essential to every high-throughput lab. Driven by our user-friendly Qtegra™ Intelligent Scientific Data Solution™ (ISDS) software, this powerful new system is ideal for labs up-grading to ICP-MS for the first time. The new Element Finder™ plug-in for Qtegra ISDS software, automates wavelength selection, simplifying method development for interference free analysis with the iCAP 7000 Plus Series ICP-OES.

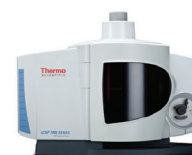
## maximum productivity

**VIDEO**
**WEBSITE**

• [powerful solutions at thermofisher.com/TEA](http://powerful.solutions.at.thermofisher.com/TEA)



Thermo Scientific™ iCE™ 3000  
Series AAS



Thermo Scientific™ iCAP™ 7000  
Plus Series ICP-OES



Thermo Scientific™ iCAP™ RQ  
ICP-MS



Thermo Scientific™ ELEMENT 2™  
& XR™ HR-ICP-MS  
ELEMENT GD™ PLUS GD-MS