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iCAP™ PRO XP ICP-OES

Fuel your desire for robust results. Meet data requirements with extending analysis periods. The Thermo Scientific™ iCAP™ PRO XP ICP-OES is rugged on all fronts



Analyze high-matrix trace elemental samples with sensitive multi-element detection and meet your data requirements with the optimal performance of the Thermo Scientific™ iCAP™ PRO XP ICP-OES. Rugged on all fronts, this system needs surprisingly little bench space or user maintenance.

A bench top simultaneous ICP spectrometer with a vertical torch, a purged echelle polychromator and Charge Injection Device (CID) array detector. It includes:

- a 4-channel**, peristaltic pump to allow for the use of an advance accessories
- a solid-state**, free-running 27.12 MHz RF generator to ensure robust plasma generation for any sample matrix.
- three independent MFCs** to precisely control the nebulizer, plasma, and auxiliary gas and to ensure long-term stability.
- the option to add** an additional gas to the plasma via an integrated MFC with a flow of 0-0.25 L/min. This enables analysis of high-salt samples (up to 30% TDS) or organics.
- an interlock drain sensor** to shut down the system if a leak in the sample path is detected and to prevent samples from being lost.
- an echelle polychromator** that is thermostatically controlled to ensure long-term stability and reduce the need for recalibration.

a cross-dispersing prism combined with an echelle to provide a resolution of 7 pm and minimize interferences.

a random-access CID imager that provides full wavelength coverage from 167.021 to 852.145 nm.

an enhanced UV mode to allow better sensitivity and detection limits for elements between 167.021 and 240.063 nm via a second UV focused exposure.

Thermo Scientific™ Qtegra™ Intelligent Scientific Data Solution™ (ISDS) Software, providing an easy-to-navigate platform that allows the analyst to add wavelengths, create methods, analyze samples and post-process the data while the spectrometer is acquiring data.

iCAP PRO Series ICP-OES has ACT label certification

Reduce your lab's environmental impact with the iCAP PRO Series ICP-OES, recipient of the ACT label from My Green Lab. The ACT Environmental Impact Factor Label is the world's premier eco-label for laboratory products. The program ensures Accountability, Consistency, and Transparency in the reporting of environmental impact data to enable sustainable laboratory procurement. It was designed by both scientists and procurement specialists to provide clear, third-party verified information about the sustainability profile of laboratory products. By providing needed transparency around manufacturing, energy and water use, packaging, and end-of-life impacts, ACT makes it easy to choose environmentally preferable products and reduce the carbon impact of laboratory supply chains.

Find out more at thermofisher.com/iCAP.PRO.XP.ICP-OES

ThermoFisher
S C I E N T I F I C



iCAP PRO Series ICP-OES

Perform like a PRO Simplicity, robustness and speed

Analyze even the most challenging sample matrices
The Thermo Scientific™ iCAP™ PRO Series ICP-OES
combines powerful multi-element capability with flexibility
so your lab is ready for any challenge.

Produce consistent, reliable data quickly and easily.
Experience enhanced sample throughput, matrix
tolerance and flexibility to produce results you can trust.

Achieve precise results first time, every time with the
innovative Get Ready feature. This automated technology
sets up the instrument for you and checks performance.
Manage instrument processes using a logical
dashboard interface. Trust in ICP-OES technology driven
by Thermo Scientific™ Qtegra™ Intelligent Scientific
Data Solution™ (ISDS) Software.



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