

# Agilent ISO 17294 Water Analyzer

Effortless analysis. Sensational results



# Everything you need to setup for ISO 17294-2:2016 analysis

Water analysis in accordance with the ISO 17294-2:2016 standard is easier than ever with the Agilent ISO 17294 Water Analyzer<sup>1</sup>. The Water Analyzer is an integrated package of hardware, software, consumables, professional services and documentation. It will quickly have you running drinking, surface and/or waste water samples using a compliant method.

## Be ready to run samples in days

The steps a lab needs to take to develop and optimize a new method, verify its performance, and obtain regulatory approval can take weeks or even months. The Agilent ISO 17294 Water Analyzer dramatically shortens that time, meaning your lab can be ready to run samples in just a few days.

The Water Analyzer includes a method optimized by ICP-MS experts, incorporating all the ISO 17294-2:2016 analytical, QC, and reporting requirements. A Standard Operating Procedure (SOP) is also provided, which we'll help you customize to meet your lab's workflow and analytical needs. Using a formal, documented process, an Agilent Engineer will set up your ICP-MS instrument using agreed performance criteria, implement the proven method in your lab, and train your analysts on site. This process ensures you'll be confident you're ready for final accreditation or regulatory approval.

## Proven Agilent ICP-MS performance

The Agilent ISO 17294 Water Analyzer is based on our market-leading 7800 ICP-MS instrument. The 7800 includes HMI to easily handle varied samples, while the helium collision cell ensures accuracy by controlling common polyatomic interferences. Its wide, 10 orders linear dynamic range reduces method setup time by measuring major and trace analytes in a single run. The wide dynamic range also means fewer reruns due to overrange results. For labs with very high sample numbers, throughput and productivity can be increased dramatically by using the optional ISIS 3 discrete sampling device.

## Expand your capabilities beyond water analysis

Your Agilent ISO 17294 Water Analyzer is not limited to water testing. With the powerful 7800 ICP-MS and fully-featured MassHunter software that underlie the Water Analyzer, you can also extend your analytical capability to address virtually any sample type you may need to measure in the future.



## The Agilent ISO 17294 Water Analyzer includes:

- Our powerful 7800 ICP-MS
- An Agilent SPS 4 autosampler
- The option of an Integrated Sample Introduction System (ISIS 3) for increased productivity in high-throughput labs
- A method optimized by ICP-MS experts
- 3 days of professional services to setup the instrument, transfer the proven method and train your operators
- The simple ICP Go software interface<sup>1</sup>
- The fully-featured ICP-MS MassHunter software for method modification or troubleshooting
- A consumables starter kit for ISO 17294 2:2016, including standards, peristaltic pump tubing and autosampler tubes so you can start your analytical workflow immediately
- A suite of documentation for regulatory compliance

## Software anyone can use

The Agilent ICP Go software, supplied as part of the Water Analyzer, is a simple, browser-based interface used to setup and control ICP-MS analysis.

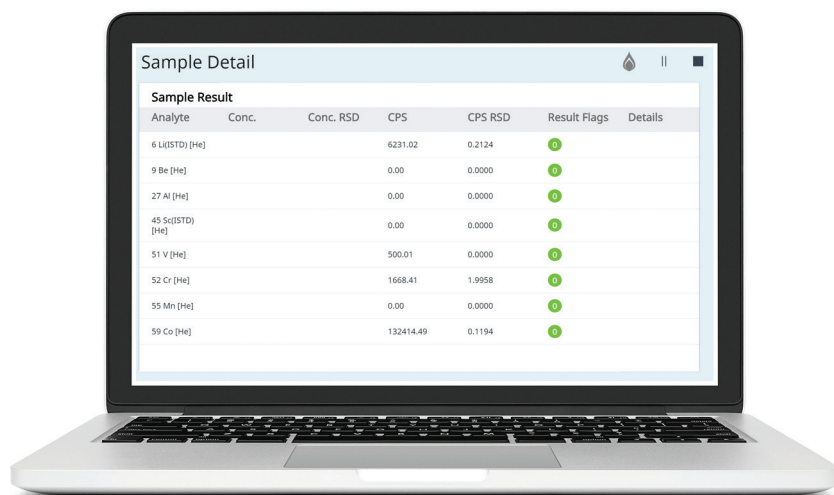
ICP Go:

- Uses a simplified view of the ICP-MS analysis window, so even your least experienced analyst can easily run an analysis.
- Limits access to method editing functions, preventing accidental changes that could cause errors or rework.
- Is so easy to learn that your operators will be able to run water samples after less than a day of training. This reduces your training costs and allows easy cross-training of analysts, giving you more staffing flexibility in your lab.

With any of your analysts able to run the Agilent ISO 17294 Water Analyzer, your senior analysts can focus on tasks that contribute to lab efficiency, such as sample prep optimization, method transfer, and resource utilization.

## Go anywhere

Being browser-based, ICP Go allows an analyst to control and monitor the sample run from anywhere across a local area network. The interface even allows analysts or lab managers to monitor multiple Water Analyzers in separate tabs of the same browser.

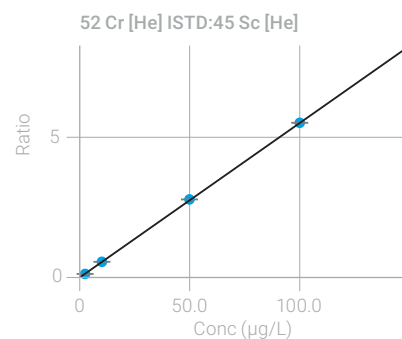
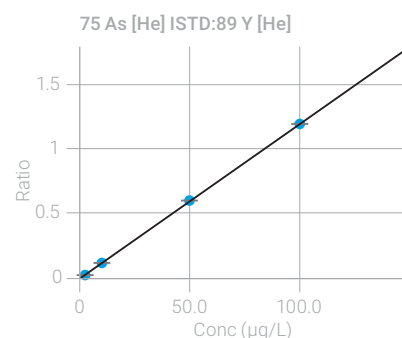


Color-coded flags save time when checking run status and QC results. The method will be customized to include your desired actions in the event of a QC failure e.g. recalibrate and rerun if the result is within a specified limit.

## Controlling CI interferences from sample digestion

Samples analyzed using ISO 17294 may be digested using nitric acid or aqua regia, in accordance with ISO 15587-2 or -1, respectively. The addition of chloride may also be required to stabilize elements such as Hg, Sb, Sn, W and Zr.

The helium cell mode of the 7800 ICP-MS reduces CI-based interferences, using a simple, single cell gas mode. This ensures accuracy and removes the need for correction equations.



Calibrations for low level trace elements, using helium mode.

Learn more:

[www.agilent.com/chem/iso-water-analyzer](http://www.agilent.com/chem/iso-water-analyzer)

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1. The Agilent ICP-MS Water Analyzers and Agilent ICP Go Software are currently available in North America and Western Europe only.

This information is subject to change without notice.

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