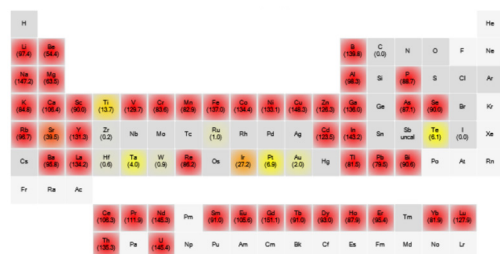


IntelliQuant for ICP-OES

Automatic full spectrum scan and simplified method development



IntelliQuant generates a heat map to visually represent the relative concentrations of elements present in a sample.

Cd	✓	214.439	*****
		226.502	***
		228.802	*
		361.051	*
		326.105	**
		508.582	*

Analyte: Cd(228.802)
Confidence: moderate
Interference: As(228.812)
Confidence: strong

IntelliQuant indicates the best analyte wavelength with a high star ranking and the green check mark. It also highlights suspected interferences on analyte wavelengths using a low star ranking. Potential spectral overlaps can be identified by hovering over the red question mark.

Get a quick approximation of the concentration of up to 70 elements per sample

The Agilent IntelliQuant* software feature is a smart tool that gives analysts more insight into their samples by calculating the approximate concentration (semiquantification) of up to 70 elements in a sample. It adds only seconds to a sample measurement and requires no calibration.

Features

- Collects the entire wavelength range from 167 to 785 nm in seconds, discovering every element in your sample.
- Has inbuilt calibrations for the three viewing modes of the Agilent ICP-OES: axial, radial, and synchronous vertical dual view.
- Has fast data visualization with results displayed in a color-coded periodic table heat map with the flexibility to filter results.

Benefits

- Semiquantitative data acquisition is completely automated with only seconds added to the sample to sample time.
- Allows the user to quickly determine the required concentration range for their samples.
- Automatically identifies spectral interferences in your sample, making wavelength selection much easier, simplifying method development.
- Reduce remeasurements using gained sample insights. IntelliQuant is like a QC on every sample.
- Easily transfer sample related insights into a new quantitative method using ICP Expert

Accuracy can be increased for complex matrices by creating matrix matched calibrations, using the [Agilent IntelliQuant Calibration Kit](#), which provides a convenient set of formulated standards covering the full 70 elements, saving time.

For more information visit:

www.agilent.com/chem/5800icpoes

*Standard with the Agilent 5800 and 5900 ICP-OES systems and can also be used with older instrument models such as the 5100 and 5110.

This information is subject to change without notice.

DE.9966203704

© Agilent Technologies, Inc. 2022
Published in the USA, April 18, 2022
5991-8455EN