

What challenges do you face with ICP-MS trace element analysis?

Data reliability and confidence

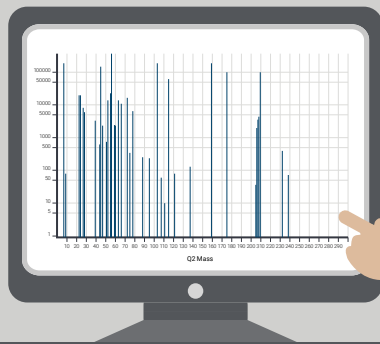
- Interferences and challenging matrices lead to rework, delays, uncertainty
- Multiple tune modes add complexity

Complexity and usability

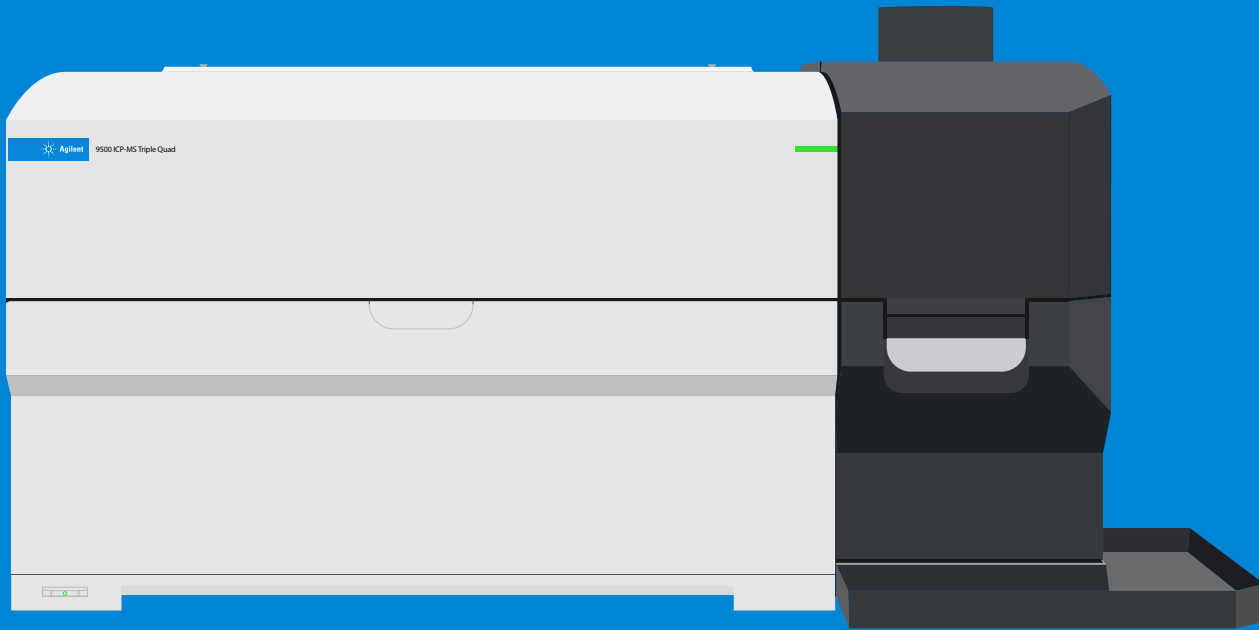
- ICP-QQQ seems too complex for routine analysis
- Method development requires expert knowledge
- Additional high-purity reaction gases needed

Limited scalability and future readiness

- Can't keep pace with evolving analytical demands
- Fear of disruption leads to hesitation in ICP-QQQ adoption



What's the solution?



The Agilent 9500 ICP-MS/MS

With the Dual-Cell System (DCS)

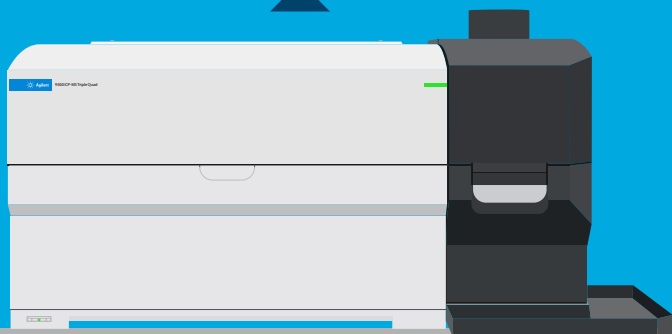
- No need for multitune methods, ability to use a single Advanced Helium Mode for exceptional interference removal and high sensitivity across the entire mass range
- Air cell ICP-MS/MS reaction mode for resolving the most difficult interferences
- Method Advisor and IntelliQuant Star Rating make ICP-MS/MS method development effortless

Advanced Helium Mode

- Single helium collision mode for the full mass range
- Typically >33% faster acquisitions
- Powerful high-energy collision promotes CID and KED* to remove even more interference

Advanced Data Analysis

- Method Advisor, automated single quad to QQQ batch conversion, IntelliQuant Star Rating, ensure the best quality data and easy data review
- Automated setup, tuning, and guided diagnostics eliminate stress and improve productivity



Air Cell Reaction Mode

- Targeted reaction mode for the most troublesome interferences
 - REE⁺⁺ on Ge, As, Se
 - MoO on Cd
 - WO on Hg
- Uses ambient air—eliminating additional reactive gases, safety requirements, and infrastructure costs

* Collision-induced dissociation (CID) and Kinetic energy discrimination (KED)

Better data starts with air

Your first run is right

Superior performance
feels effortless

Every lab can achieve more



WOW

The Easiest Smart Decision You Can Make

DE-013867

[View the Agilent 9500 ICP-MS brochure >](#)

This information is subject to change without notice.

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