



SolidSample ICPMS

QUANTITATIVE MULTIELEMENT ANALYSIS OF SOLID SAMPLES BY ICPMS

HIGH ACCURACY WITHOUT DIGESTION

ADVANTAGES

- SOLUTION-LEVEL ACCURACY
- ROBOTIC SAMPLE HANDLING
- BARCODE TRACKING

Achieve R^2 often > 0.9995

24/7 precision with real-time results and sample tracking

Automated processing of dozens to 1000+ samples per day

Acid-free sample prep eliminates hazardous reagents with fast turnaround



Robotic Sample Handling

- Fully automated sample handling
- Unattended 24/7 operation
- High sample transport efficiency
- Process tens to thousands of samples per day
- Up to 5X faster than conventional laser ablation

Laboratory Safe

- Solid sampling eliminates hazards associated with acid digestion
- Class 1 laser-safe during operation

Advanced ICPMS Interface

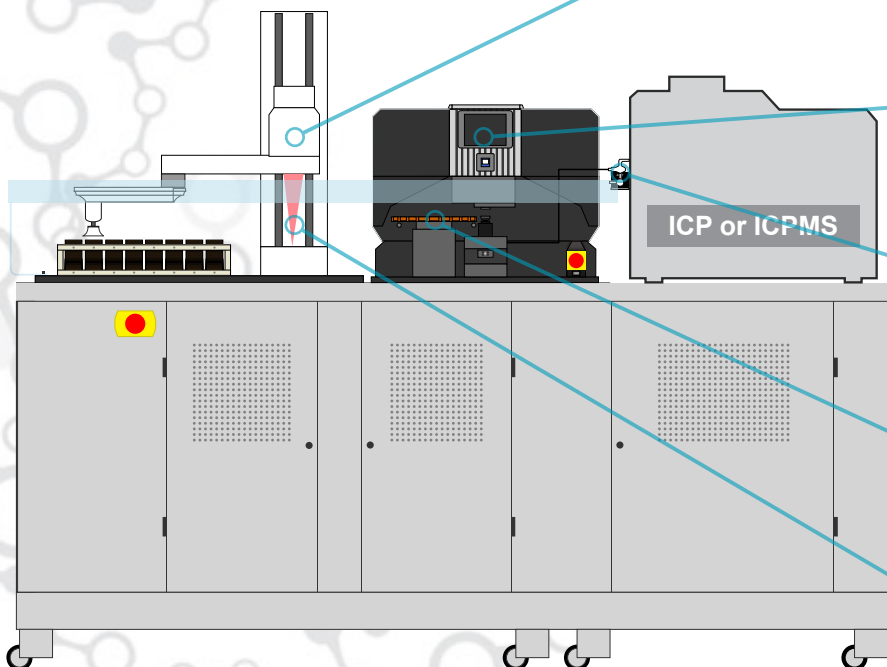
- Ensures plasma stability during rapid sample exchanges
- Provides exceptional transport efficiency

Sample Carousel

- Swift sample changeover
- Delivers samples to ablation chamber for analysis

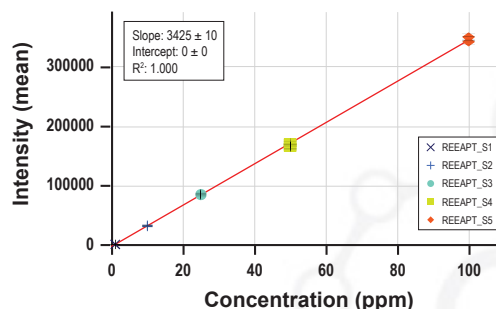
Barcode Scanner

- Ensures data integrity
- Tracks sample through the complete analysis workflow



Capacity of up to 1000+ samples per run

¹⁵⁷Gd



Example of a multielement calibration curve



Elemental Scientific
LASERS