Agilent’s portfolio offers you the most diverse application coverage, while our unique MP-AES and ICP-QQQ technologies deliver new possibilities for your lab. Choose Agilent, together we’ll take the path to success.

**LEADING TOGETHER**

**AA**
Atomic Absorption Spectroscopy

Agilent’s comprehensive range of AA spectrometers is productive, user-friendly and exceptionally reliable.

**Fast analysis** – boost productivity and slash running costs with the Agilent 240FS and 280FS featuring unique Fast Sequential capabilities.

**Sensitive furnace AA** – the Agilent 240Z and 280Z Zeeman Graphite Furnace AA systems are productive and precise, providing outstanding furnace performance and accurate background correction for challenging samples.

**Rugged and reliable** – the Agilent 55B AA standalone instrument is ideal for remote sites and harsh environments.

**Simultaneous flame and furnace** – the unique DUO AA configurations double your productivity by allowing flame and furnace operation at the same time, without change-over delays.

For further details refer to: Agilent 55B AA Spectrometer brochure, part number: 5990-6617EN and Agilent Atomic Absorption Spectrometers brochure, part number: 5990-6495EN.

**MP-AES**
Microwave Plasma-Atomic Emission Spectroscopy

The Agilent 4210 MP-AES has high sensitivity, detection limits down to sub ppb levels and is faster than conventional flame AA. Best of all, it runs on air instead of combustible gases.

**Lowest cost of ownership** – the 4210 runs unattended without expensive flammable gas supply, dramatically reducing your operating costs.

**Improved laboratory safety** – the 4210 eliminates flammable gases and the need to manually transport and handle gas cylinders.

**High performance** – a magnetically excited microwave plasma source provides superior detection limits to flame AA. A range of accessories extends the performance for your toughest samples.

**Ease-of-use** – application-specific software applets and plug-and-play hardware ensure any user can use the instrument with minimal training.

**Remote control** – the Automation Software pack allows remote control of the instrument.

For further details refer to: Agilent 4210 MP-AES brochure, part number: 5991-7237EN.

**ICP-OES**
Inductively Coupled Plasma-Optical Emission Spectroscopy

The Agilent 5110 ICP-OES delivers accurate results with highest speed utilizing axial and radial view analysis at the same time.

**Save time and money** – complete your analysis fast – using less gas, and measure all wavelengths in one measurement. Increase your productivity even more with the Advanced Valve System.

**Uncompromised performance** – measure your toughest samples with a vertical torch and enjoy minimal interferences with a Cooled Cone Interface. Long term analytical stability is achieved by a solid-state RF system that delivers a robust plasma.

**Simplify your analysis** – take the guess work out of method development with intuitive ICP Expert software and DSC technology. Powerful software algorithms simplify method development, improve accuracy and extend your measurement range.

**Flexible configurations** – the 5110 is available in three configurations: Synchronous Vertical Dual View, Vertical Dual View and Radial View.

For further details refer to: Agilent 5110 ICP-OES brochure, part number 5991-6846EN.
QUADRUPOLE ICP-MS
Inductively Coupled Plasma-Mass Spectrometry

The Solution-Ready Agilent 7800 offers a streamlined approach to routine trace metal analysis, without compromising performance.

**Simplify common analyses** – Pre-set Methods, auto-optimization tools and pre-defined report templates automate many routine applications, while standard operating procedures guide users in system setup and routine operation

**Reduce sample preparation** – high matrix introduction (HMI) technology enables samples with up to 3% dissolved solids to be run directly, usually without the need for matrix matched calibrations

**Ensure accurate data with effective interference removal** – helium (He) collision mode is the only universal cell mode, proven to reduce all common polyatomic interferences under a single consistent set of cell conditions

**Simplify methodology and reduce re-runs** – the wide dynamic range of the detector enables analysis of both trace and major elements in a single run.

For further details refer to: Agilent 7800 ICP-MS brochure, part number: 5991-5874EN

The Agilent 7900 offers market-leading performance with the flexibility to address routine and research applications.

**Superior matrix tolerance** – a robust plasma and optional Ultra High Matrix Introduction technology enable the measurement of samples containing up to 25% total dissolved solids

**Widest dynamic range** – an orthogonal detector system delivers up to 11 orders of dynamic range – allowing you to measure trace elements and majors in the same run, simplifying method development and virtually eliminating over-range results

**Fast transient signal detection** – high-speed detector electronics (integration times down to 0.1 ms) and optional integrated nanoparticle analysis software (for single particles or on-line separation using FFF) make characterizing nanomaterials routine

**Flexibility** – ICP-MS MassHunter software features automated system optimization, intelligent method setup, and remote monitoring capabilities

For further details refer to: Agilent 7900 ICP-MS brochure, part number: 5991-3719EN

ICP-QQQ
Triple Quadrupole ICP-MS

The Agilent 8900 triple quadrupole ICP-MS opens up analytical possibilities for analysts around the world.

**Simple, reliable interference removal** – the 8900 features MS/MS mode for controlled and consistent interference removal in reaction mode

**Handle difficult samples** – the matrix tolerance and robustness of the 8900 allows the measurement of even the most difficult samples

**Unparalleled accuracy** – MS/MS mode eliminates the variability associated with reaction mode on conventional quadrupole ICP-MS. The result is more accurate and reliable data, regardless of sample type

**Incomparable performance** – the 8900 sets the performance benchmark in no gas mode and collision mode, and MS/MS gives the 8900 the highest abundance sensitivity ever seen in ICP-MS ($<10^{-10}$), further improving data integrity in high matrix samples

**Tailored solution** – the 8900 ICP-QQQ is available in a range of configurations, suitable for routine analysis through to advanced research

For further details refer to: Agilent 8900 ICP-QQQ brochure, part number: 5991-6900EN

For more information visit: www.agilent.com/chem/atomic
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For further details refer to: Agilent Atomic Spectroscopy Supplies Catalog, part number: 5991-5455EN and Agilent High Quality Inorganic and Metallo-O rganic Standards Brochure, part number: 5991-5678EN