



Agilent Analyzers and Application Kits

MOVE BEYOND INSTRUMENTATION AND GET YOUR LAB BACK ON THE “FAST TRACK” TO RESULTS

The Measure of Confidence



Agilent Technologies

Spend less time on method development and system configuration, and more time generating quality results

In the past, laboratories used in-house knowledge to develop methods, while harnessing cutting-edge technology to compete. However, in today's climate of changing regulations, strict cost-control measures, and fast delivery expectations, these strategies are simply not enough.

To remain profitable, you must be able to perform high-throughput measurements, reduce operating expenses, maximize uptime, and quickly deploy capital investments for real-world sample analysis.

Agilent Analyzers and Application Kits are pre-configured to meet your analytical requirements. We have also developed the method so you can begin your analysis immediately following installation and verification of system performance.

Analyzers and Application Kits are *complete workflow solutions* that incorporate not just instruments, but also advanced new technologies — such as Capillary Flow Technology, target compound databases, and custom reports — for GC, GC/MS, LC/MS and Micro GC. In addition, we have optimized our workflow solutions for individual applications, giving you the fastest return on your investment.

By providing pre-set methods, application-certified columns and supplies, checkout samples, data files, database libraries, reports, and quick-start guides, our analyzer solutions extend *beyond instrumentation*, enabling you to focus on system validation and productivity.

Let Agilent help you leverage proven technology and experience to meet your unique analytical challenges

For more than forty years, Agilent has taken an active role in developing methods and applications — many of which have evolved into global standards for industries such as energy and chemical, environmental, food safety, pharmaceutical, and forensic/toxicology.

Today, our commitment continues. As the major GC, GC/MS, LC/MS and Micro GC supplier, Agilent has the experience and expertise to drive product innovation — and we incorporate these innovations into our Analyzers and Application Kits.



Agilent solutions significantly reduce your time from system arrival to final validation

With pre-configured hardware and method-specific separation tools, your analysts can focus on calibration and validation per your laboratory's SOPs.



Systems and support customized for your samples

Regulatory knowledge that goes *deeper than* instruments and systems

Compliance requirements change in response to technological developments, method revisions, and new monitoring demands. That is why Agilent scientists work closely with regulatory agencies — such as ASTM, EPA, AOAC, FDA, ISO and AQSIO — to anticipate the needs of customers in the food safety, environmental, energy and chemical, and forensic/toxicology industries.

For example, our experts continue to be actively involved in **ASTM** — the globally recognized source for standards development.

Agilent's understanding of regulations and pending changes is reflected in our Analyzer methods and Application Kits. Our application teams continually develop innovative approaches to sample preparation, separation, system inertness, and data reporting that allow your lab to more efficiently process your sample backlog.

Custom GC, GC/MS, and Micro GC configurations

Our experts can customize standard instruments with columns, valves, inlets, and other components to meet your specific method requirements.

Application Kits for GC, GC/MS, and LC/MS

Not every solution requires new hardware. Agilent Application Kits allow you to adapt your new *or* existing systems by providing tools to help you quickly configure your system to new methodologies. So your analysts can focus on validating the change per your SOPs.

Successful deployment through on-site installation

Agilent Analyzer installations are performed by a trained service engineer, and are designed to duplicate factory checkout and verify chromatographic performance. Other on-site services include:

- Training courses that teach you best practices
- Application consulting for running your samples
- Extensions to your standard warranty coverage
- Preventive maintenance for your complete system

Agilent LC/MS Application Kits are installed by an application-certified service engineer. Following installation and checkout, an application expert will provide on-site training, along with method implementation and customization.

Enriching our expertise through our Channel Partners

Agilent has a broad network of long-term Channel Partners, each with extensive experience in emerging applications and specialized technologies. Together we can expand the range of analytical solutions available to our customers.

Start reducing the time required to get your analysts running real-world samples.

Visit agilent.com/chem/appkits



Focus on system validation and data generation... not method development

Developing methods and deploying new applications consume valuable time and resources — particularly when specific expertise is not readily available.

Agilent addresses this problem through our comprehensive portfolio of **GC and GC/MS Analyzers**, which are factory-configured and chemically-tested to meet method requirements, and get you on the "Fast Track" to producing quality data.

Each Analyzer arrives ready to perform with pre-set chromatography and checkout samples to verify separation capabilities. That means your team can work toward system validation when our team completes installation — and you can reduce your method development costs by up to 80%!

Depending on your application, Analyzer packages range from workhorse systems configured for specific industrial applications to custom solutions built around cutting-edge technologies developed by Agilent. All are configured and tested to your particular application.

Delivery includes the system, the same checkout sample used during factory testing, installation, on-site application verification, and operator familiarization.

You can also leverage your existing hardware with Agilent GC and GC/MS Application Kits. They allow your company to deploy methods developed by our chemists, and include the column, chemicals, method, and accessories you need to update your lab's current systems.



Robust and reliable: Agilent lets you choose from more than 100 factory-tested GC instrument configurations and Analyzers — all application pre-tested to run according to industry standards such as FDA, ISO, ASTM, EPA, USP, CEN, UOP, GPA, and AQSIO.



Pre-configured and factory-tested: Why spend time configuring hardware and developing methods? Let Agilent implement the latest GC and GC/MS advances, and provide your team with the tools to quickly analyze trace target compounds in complex matrices.

Our team is ready to work with you to produce a solution for your unique analytical challenges.

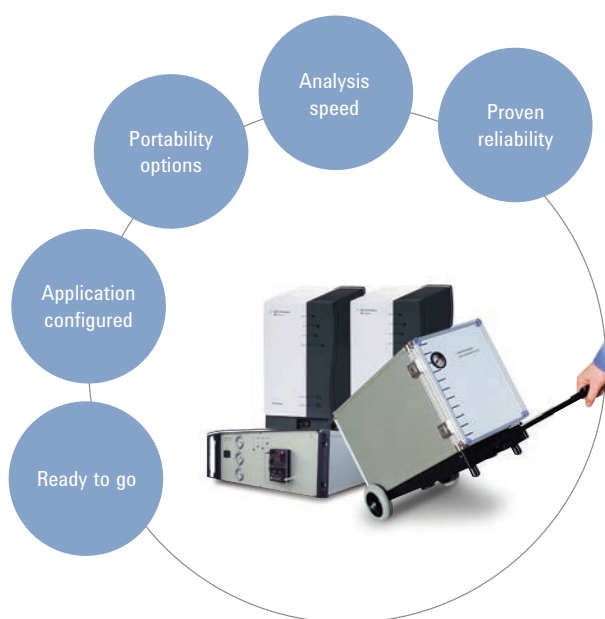
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Achieve real-world speed and efficiency when every second matters

New technologies can help your lab adjust to changing industry requirements. However, *implementing* these technologies to their maximum potential can be hampered by resource limitations.

Agilent Micro GC Analyzers deliver rugged, compact, laboratory-quality gas analysis platforms

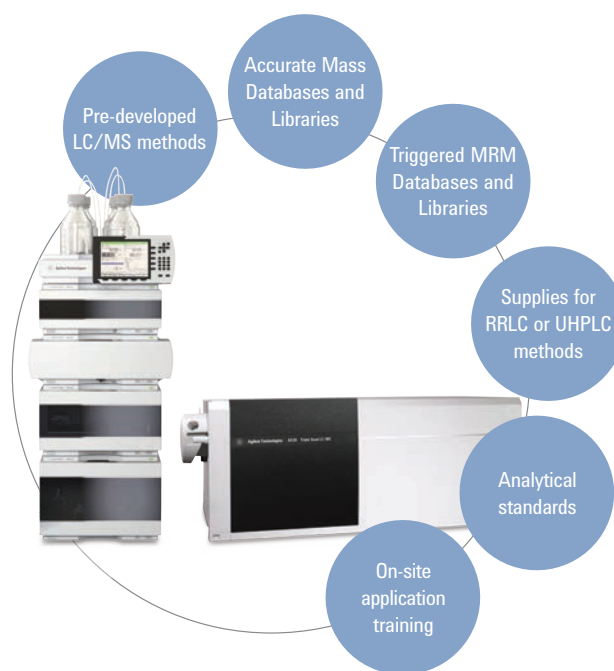
Designed for speed, each Analyzer arrives pre-configured, factory-tested, and ready to perform your application. In the lab or in the field, Micro GC Analyzers quickly deliver the information you need, whenever and wherever you need it.



Rapid, reliable results for laboratory, process, or field analysis. Micro GC Analyzers provide chromatographic results in **seconds** instead of minutes. These fully tuned and tested for application solutions meet your demands for quick feedback about gas composition, product quality, and process efficiency.

Agilent LC/MS Application Kits facilitate the implementation of new technologies

Choices include accurate *mass application kits* for untargeted TOF or Q-TOF screening, and triggered *MRM (tMRM) application kits* for targeted screening and quantitation with QQQ library verification. Our application experts have configured each kit with the tools you need to screen samples in matrices such as water, fruit and vegetable extracts, and bodily fluids.



More efficient method development. Agilent Application Kits feature pre-developed method examples that help you implement new screening methods quickly and efficiently.

Let our chemists reduce your lab's method development costs.
Visit [agilent.com/chem/appkits](https://www.agilent.com/chem/appkits)

Analyzers and Application Kits by Industry

Quickly adapt to ever-changing demands

Agilent stands behind our Analyzers and Application Kits with decades of experience and customer feedback — as well as collaborations with global laboratories, regulatory authorities, and standardization

agencies. We continually adapt our solutions to meet customers' most urgent challenges, and are working to expand our Analyzer portfolio for these and other industries.

Food Testing

With the globalization of the food chain, protecting both consumers and your brand has become more demanding than ever. You can rely on Agilent Analyzers and Application Kits for the sensitivity, selectivity, and throughput you need to screen for trace contaminants in complex matrices.



Analytical platforms	GC, GC/MS Analyzers and LC/MS Application Kits
Standards and norms	AOAC, FDA, USDA, EFSA, UN-FAO, WHO-FOS, CODEX
Typical analyses	Food and beverage extracts, essential oils, and beverage-grade CO ₂
Typical compounds of interest	Pesticide, herbicide, hormone, pharmaceutical, hydrocarbon residues, and veterinary drug residues

Environmental

Whether you're responding to disasters or identifying emerging contaminants, protecting our environment demands methods that are reliable, efficient, and robust. Pre-configured Agilent Analyzers and Application Kits address rigorous applications for measuring organic pollutants, and are backed by 40 years of regulatory and trace-contaminants experience.



Analytical platforms	GC, GC/MS, Micro GC Analyzers and Application Kits and, LC/MS Application Kits
Standards and norms	USEPA, ASTM, CEN, ISO, Standard Methods
Typical analyses	Water, soils, sludge, and air
Typical compounds of interest	Pesticide, herbicide, hormone, pharmaceutical, and hydrocarbon residues

Energy and Chemical

Safe, reliable, and efficient processes are a must for ensuring a consistent flow of petroleum, natural gas, and biofuels. Agilent offers more than 60 customized GC Analyzer, hardware, and reporting solutions to help you fuel the global economy.



Analytical platforms	GC, GC/MS, Micro GC
Standards and norms	ASTM, UOP, CEN, GPA, ISO
Typical analyses	Natural gas, refinery gas, liquefied petroleum gas, gasoline, diesel, jet fuel, biofuels, monomer streams, specialty gases, transformer oil gases, and greenhouse gas emissions
Typical compounds of interest	Permanent gases, trace impurities, FAMES, carbon monoxide, carbon dioxide, and hydrocarbon composition

Forensics and Toxicology

Successful investigations and toxicological studies require results that can stand up to scrutiny. Whether your lab screens for drugs, evaluates crime scenes for explosive residues, or monitors chemotherapy doses, Agilent is uniquely positioned to help you maintain stringent practices.



Analytical platforms	GC, GC/MS Analyzers and, LC/MS Application Kits
Standards and norms	ABFT, ASCLD/LAB-Intl, CAP-LAP, CLIA, DOH
Typical analyses	Biological samples, workplace and environmental samples, pharmaceutical preparations, and crime scene samples
Typical compounds of interest	Therapeutic drugs and metabolites, drugs of abuse and metabolites, performance enhancing drugs and metabolites, pharmaceutical agents and excipients, and organic chemical residues

Pharmaceutical

Agilent Analyzers reduce method development costs; meet strict regulatory requirements; and provide faster set-up, higher throughput, and better quality data. So your team can focus on system validation and sample analysis.



Analytical platforms	GC, GC/MS
Standards and norms	USP, EP, EDQM, CDSCO, FDA
Typical analyses	Pharmaceutical preparations, raw materials, solvents and water used in production, and specialty gases
Typical compounds of interest	Active ingredients, excipients, residual solvents, and hydrocarbon contaminants

Materials Testing

The quality of your finished materials impacts customer loyalty, environmental and product safety – and ultimately, profitability. Agilent Analyzers incorporate the most innovative hardware for applications such as profiling residual organics in material emissions and identifying undesired odors in finished goods.

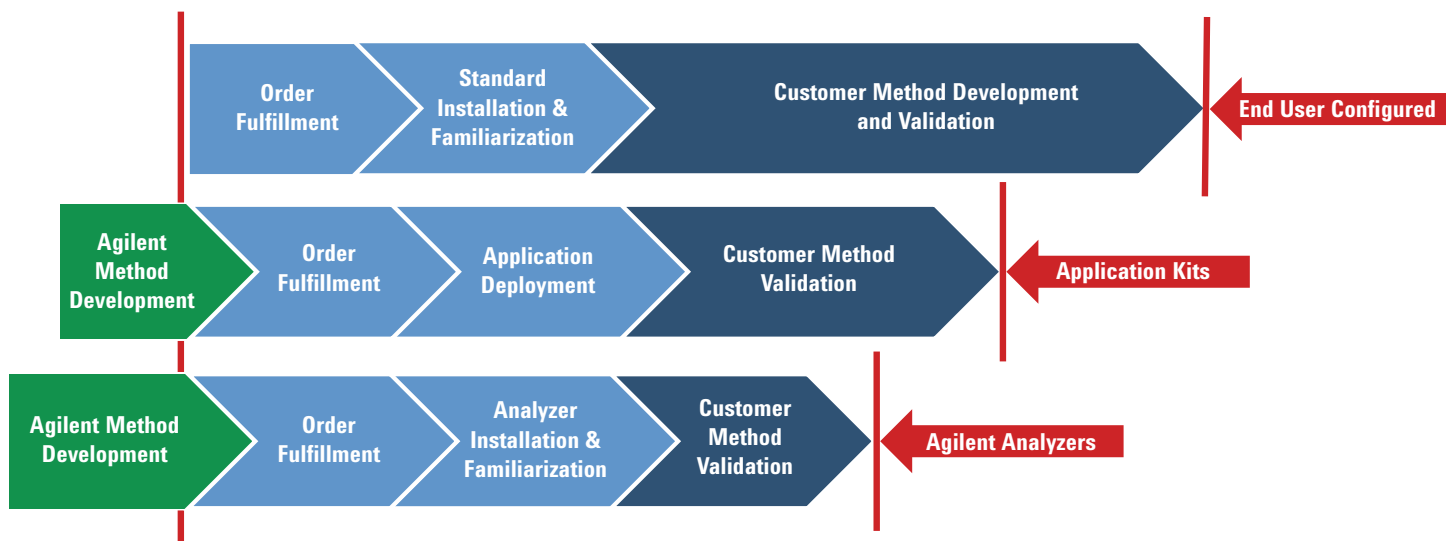


Analytical platforms	GC, GC/MS
Standards and norms	MIRA, JAMA, TÜV, ECPB, AgBB, CHPA, EN, ASTM, FSSET, ATCM
Typical analyses	Automotive components, building materials, and electronic components
Typical compounds of interest	Active ingredients, excipients, residual solvents, and hydrocarbon contaminants

Analyzers and Application Kits reduce your method development time

Order Placement

Sample ready



Take the quick, cost-effective path through your toughest challenges

Agilent Analyzers and Application Kits let you implement new technologies for analyzing difficult matrices – *without* stretching your resources. They can help you:

- Simplify your startup and begin producing results in a fraction of the time
- Adjust to changing business needs and industry requirements
- Lower your method development costs
- Quickly establish screening methods using application-specific tools and technologies
- Implement advanced technologies with confidence



For more information

Learn more about individual Analyzers, Application Kits, and their contents:

agilent.com/chem/appkits

Find an Agilent customer center in your country:

agilent.com/chem/contactus

U.S. and Canada

1-800-227-9770

agilent_inquiries@agilent.com

Europe

info_agilent@agilent.com

Asia Pacific

adinquiry_aplsca@agilent.com

This information is subject to change without notice.

