

# Find the Perfect Instrument for your Application

Agilent molecular spectroscopy products



## Performance. Accuracy. Flexibility.

Agilent's best-in-class portfolio of molecular spectroscopy has grown – in breadth as well as capabilities. With leading innovations like the Cary 3500 UV-Vis, the Cary 7000 UMS and the 4300 Handheld FTIR, we're more qualified than ever to equip you with the precise instrument for your specific challenge.



### UV-Vis

**Flexible, accurate and intuitive; designed for your application needs.**

- Agilent Cary 60 with flexibility for a wide range of liquid and solid samples. It can be fitted with long pathlength cells, solid sample transmission, or reflectance accessories. The instrument is ideal for remote measurements, with the use of fiber optic probes.
- Agilent Cary 3500 double beam UV-Vis offers photometric performance and unique measurement capabilities. Available in several configurations, including a multizone, multicell that allows up to four temperature experiments, across eight cuvette positions, simultaneously.



### UV-Vis-NIR

**Proven record of optical design excellence and innovation.**

- Agilent Cary 4000 sets the standard for photometric noise, range and linearity, providing excellent resolution across the UV-Visible spectrum.
- Agilent Cary 5000 combines PbSmart detector technology with the unparalleled optical design and performance of all Cary UV-Vis-NIR instruments.
- Agilent Cary 6000i with a high-performance InGaAs detector is optimized for the shortwave NIR, delivering superior resolution in the 1200–1800 nm region. No instrument can match the NIR performance of the Cary 6000i.



### Cary 7000 UMS

**A revolution in solid sample measurement.**

The Agilent Cary 7000 UMS will satisfy all your solid sampling needs. Measure virtually any sample; measure absolute reflectance and transmission at any angle; and measure them all unattended.

- Achieve complete sample characterization, measuring both absolute reflection and transmission in a single sequence – at variable angles and polarization – without moving or disturbing the sample.
- Achieve record collection times – reducing your analysis from days to hours or hours to minutes – with direct-view detection and single baseline productivity.
- Obtain new insights into advanced materials with an unprecedented 10 Abs range.



## Mobile and Routine FTIR

The world's smallest, robust benchtop FTIR and portable analyzers offer a simplified workflow.

- Agilent Cary 630 FTIR provides superior quantitative and qualitative information for routine analysis of solids, liquids, and gases. With high performing optics and a wide range of sample interfaces.
- The Agilent 4300 DTGS Handheld FTIR and 4300 MCT Handheld FTIR enable you to take measurements wherever they are needed – regardless of the physical size or location of the object. They deliver immediate, real-time results.
- Agilent 5500 and 4500 are dedicated analyzers that offer a simplified, on-the-go, workflow.



## LDIR chemical imaging

Provides a sophisticated new approach to chemical imaging and IR spectral analysis.

- The 8700 Laser Direct Infrared (LDIR) uses the latest quantum cascade laser (QCL) technology coupled with rapidly scanning optics to provide fast, clear, high-quality images and spectral data. This technology is combined with intuitive Agilent Clarity software for rapid and detailed imaging of large sample areas with minimal instrument interaction via a simple load and go method.



## Fluorescence

Sensitive, accurate and flexible; with the power of xenon.

- Agilent Cary Eclipse with unique xenon flash lamp technology delivers superior sensitivity with fiber optics. Combined with a wide range of options including polarization, temperature control and a microplate reader, the Cary Eclipse is the ideal workhorse for all your analytical needs.

## Agilent CrossLab: Real insight, real outcomes

CrossLab goes beyond instrumentation to bring you services, consumables, and lab-wide resource management. So your lab can improve efficiency, optimize operations, increase instrument uptime, develop user skill, and more.



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