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MOLECULAR SPECTROSCOPY PRODUCTS FROM AGILENT TECHNOLOGIES

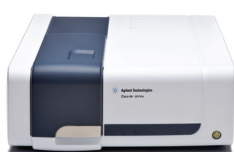
The Measure of Confidence



Agilent Technologies

Agilent's best-in-class portfolio of molecular spectroscopy has grown — in breadth as well as capabilities. With leading innovations like the Cary 630 FTIR, the Cary 7000 UMS and the 4300 Handheld FTIR, we're more qualified than ever to equip you with the precise instrument of your specific challenge.

PERFORMANCE. ACCURACY. FLEXIBILITY.



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- [Agilent Cary 8454 photodiode array](#) captures the complete UV-Vis spectrum (190–1100 nm) in less than one second.
- [Agilent Cary 60](#) with unique xenon flash lamp technology is the world's fastest scanning UV-Vis. With an exceptionally long lifetime of 3 billion flashes, the lamp typically lasts 10 years.
- [Agilent Cary 100](#) double beam UV-Vis has a working range past 3.5 Abs, and is ideal for routine and research laboratory work.
- [Agilent Cary 300](#) double beam UV-Vis, with a working range past 6.0 Abs and resolution better than 0.24 nm, is ideal for the analysis of highly turbid biological samples or highly absorbing solid materials.

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.

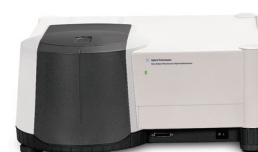
- [Agilent Cary 630 FTIR](#) provides superior quantitative and qualitative information for routine analysis of solids, liquids, and gases. With high performing optics and a wide range of sample interfaces.
- The Agilent [4100 ExoScan](#), [4200 FlexScan](#), [4300 DTGS Handheld FTIR](#) and [4300 MCT 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.



FTIR IMAGING & MICROSCOPY

The highest performing, FTIR microscopes and imaging systems available.

- [Agilent Cary 610 microscope](#) is a single element detector FTIR microscope ideal for characterizing small and heterogeneous samples.
- [Agilent Cary 620 microscope](#) extends microscopy to true Focal Plane Array (FPA) imaging, enabling you to collect hundreds to thousands of spectra simultaneously.
- The [Agilent Cary 620 FTIR Imaging Microscope](#) provides the widest field of view (FOV), with the highest spatial resolution in the fastest time. Multi-measurement modes including transmission, reflection, Attenuated Total Reflectance (ATR) and grazing angle, extend traditional imaging measurement to new boundaries.



FLUORESCENCE

Sensitive, accurate and flexible; designed to meet your application.

- [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.

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Printed in the Printed in USA – March 10, 2014
5991-4303EN

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