

Built Small. Packed with Performance

Agilent Cary 635 FTIR—maximum flexibility, minimal training, reliable results



Get reliable results wherever you need them with the compact, robust, and lightweight Agilent Cary 635 FTIR spectrometer, the **world's smallest and lightest** benchtop FTIR. Its integrated, easy-to-use design delivers remarkable performance, speed, and versatility. Save time and money with low sample volume requirements, fewer consumables, and minimal training.

Configure your solution with the perfect fit

The Cary 635 FTIR features a wide range of interchangeable, snap-and-go Agilent sampling modules that attach easily to the front of the Cary 635 FTIR engine—with no alignment required.

- **Transmission module** accepting standard KBr pellets, liquid and gas cells, and other sampling devices
- **Attenuated total reflectance (ATR) modules** for handling a wide range of solids, pastes, gels, rubbers, and liquids
- **Specular reflectance modules** for measuring samples designed to reflect light, such as optics, mirrors, and glass
- **Diffuse reflectance module** for materials that scatter infrared light, such as powdered samples
- **DialPath and TumbIR modules** for rapid transmission analysis of liquids



Analysis made easy with MicroLab software

Agilent MicroLab software makes FTIR analysis as easy as 1, 2, 3—with picture-driven workflows that guide the user through each analysis step.

1 Start the analysis

2 Follow picture-driven software guidance

3 Instantly receive color-coded, actionable results

The software suite includes individual applications specifically tailored to your task:

- **MicroLab Lite/PC:** data collection and analysis
- **MicroLab OQ:** performance validation
- **MicroLab Quant:** quantification model development

Available for separate purchase:

- **MicroLab Pharma:** supports data integrity regulations; ideal for GMP environments
- **MicroLab Expert:** enables state-of-the-art data processing, visualization, and analysis

DialPath: Liquid transmission measurements as straightforward as using ATR

Traditional flow and demountable cells for liquid transmission measurements can be complex, challenging, and time consuming to work with. The unique Agilent DialPath module for the Cary 635 FTIR is specifically engineered to address the challenges of these traditional cells.

- Instant selection from three factory-calibrated, fixed path lengths (30 to 1,000 microns)
- Window sets available for low- and high-concentrated samples
- Spacer-free for no leakage and no fringing
- No autosamplers or syringes required
- Handles varying viscosities and volatilities
- Results from as little as 3 μL of sample

	DialPath	Liquid Cell
60 minutes		
Sample solution per sample	 20 μL	 5 mL
Cleaning solution per sample	 < 1 mL	 5 mL

Scoreboard after 60 minutes of analyzing simethicone extracts using the Dialpath module versus a traditional liquid cell.

Three simple steps to analysis with DialPath

1

Ensure that the crystal is clean



2

Place the sample on the window



3

Turn the DialPath to the required path length to analyze



Designed for confidence in real-world applications

What you do matters. The Cary 635 FTIR spectrometer is built to support success across a range of application areas, enabling you to generate reliable results—wherever your work takes you.

- Engineered for longevity with a 5-10-10 year warranty (lamp/interferometer/laser diode)
- Rugged design for demanding environments
- Performance verification with the Cary 635 FTIR instrument aligns with standards defined by the European, US, Indian, Chinese, Japanese, etc. Pharmacopeias



Chemicals and energy



Pharma and biopharma



Materials



Food and agriculture



Academic research and teaching

Discover how the Cary 635 FTIR can transform your FTIR workflows:

www.agilent.com/chem/cary635

DE-016941

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© Agilent Technologies, Inc. 2026
Published in the USA, August 18, 2026
5994-9403EN