

NOT ALL SPECTROPHOTOMETERS GIVE YOU THE COMPLETE PICTURE

The Measure of Confidence

Agilent Cary 8454 UV-Visible Spectrophotometer



The Agilent Cary 8454 eliminates contamination problems while delivering fast, repeatable results

If your spectrophotometer fails to capture the complete UV-Visible spectrum, the validity and repeatability of your measurements may be jeopardized by contaminants retained with your target analytes. With its photo diode array (PDA) light path, Agilent's Cary 8454 UV-Visible spectroscopy system gives you several advantages over traditional scanning instruments:

- **A complete spectrum:** Nothing gets past Agilent's Cary 8454 because it saves the complete spectrum, not just your original range of interest. So you can refer back to your data to search for impurities or investigate samples further.
- **Faster, simpler scans:** With the touch of a button, Agilent's Cary 8454 takes a snapshot of the entire spectrum (190 to 1100 nm) in under *one second*.

- **Fewer re-alignment issues:** The shutter is the only moving component of Agilent's Cary 8454, allowing you to move the instrument without tedious recalibration.
- **Intuitive operation:** Agilent's UV-Visible ChemStation software allows lab technicians to generate a complete spectrum of data without learning the intricacies of UV-Vis measurements.
- **Reliable results, every time:** With few moving parts the instrument is robust — run the Agilent Cary 8454 every day for years without expensive repairs or calibrations.

In addition, Agilent's Cary 8454 features an open sample compartment positioned between the lamps and the grating, which minimizes the effects of stray light.



Agilent Technologies

Agilent's Cary 8454 UV-Visible Spectrophotometer

Proven success in QA/QC and method development labs



Pharma QA/QC

The Agilent Cary 8454 is the established instrument of choice for the QA/QC pharma industry. With no moving parts during data acquisition, the instrument is the most robust and reliable spectrophotometer on the market which maximizes your uptime and reduces costs.



Dissolution testing of finished drugs

The Agilent Cary 8454 couples directly with Agilent's dissolution baths to provide a complete, integrated UV-Vis dissolution system. Coupled with the fast data collection of the diode array and multi-component software, answers are provided in a simple, automated manner.



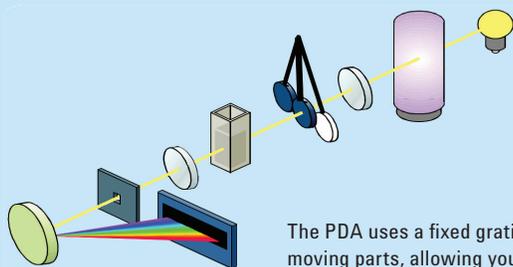
Chemical manufacturing QA/QC

Transition your methods developed on your 845x to the Cary 8454, with seamless transfer and no method re-validation. Collect full spectral information in under 1 second to investigate, and eliminate, contamination that can lead to poorer quality product.



Complex formulations

Use the multi-component analysis software in UV-Visible ChemStation to analyze complex mixtures. By collecting the entire UV-Vis spectrum in under a second, quantitative analysis has never been easier.



The PDA uses a fixed grating with no moving parts, allowing you to run the instrument for years without costly repairs or realignments.

For more information:
www.agilent.com

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