



## PerkinElmer Launches FL 6500™ and FL 8500™ Fluorescence Spectrometers

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*Advanced Technologies Enable Flexible, Reliable Analysis of a Broad Range of Sample Types*

### WHAT:

[PerkinElmer, Inc.](#), a global leader committed to innovating for a healthier world, today announced the launch of its FL 6500™ Pulse Xenon and FL 8500™ Continuous Wave Fluorescence Spectrometers. The instruments enable industrial companies, universities, government, contract and pharmaceutical laboratories to analyze a diverse range of sample types, to meet growing research or evolving compliance requirements. When used together, these create a comprehensive fluorescence spectrometer solution for research and commercial laboratories to handle a variety of application challenges.

### HOW IT WORKS:

[The FL 8500 fluorescence spectrometer](#) uses a high performance Xenon continuous wave excitation source with PerkinElmer optics for high sensitivity measurements, at scan speeds up to 60,000 nanometers. It can be configured for a range of applications, including material characterization; industrial tracing and manufacturing R&D; agricultural and environmental analysis; along with analysis of LEDs, solar cells and organic electroluminescent materials.

The [FL 6500 fluorescence spectrometer](#), which uses PerkinElmer optics and a Xenon pulse excitation source with variable power settings, is designed for testing samples that are susceptible to photo bleaching. Applications include: cell biology, molecular biology, immunology, enzymology and protein analysis, as well as thin coatings.

Both instruments share the new Spectrum™ FL software that mirrors laboratory workflows for simple, streamlined method development and comprehensive data analysis in minutes. Optional interchangeable, plug-and-play accessories are auto-recognized by the software to further minimize downtime.

The intuitive software is also available in Enhanced Security (ES) to maintain Title 21 CFR Part 11 compliance and adhere to stringent data integrity requirements, preventing laboratories from incurring costly fines.

### WHY:

"Due to the highly sensitive and selective nature of fluorescence spectroscopy, this technique can provide significant advantages over absorption spectroscopy when used in detecting and measuring trace amounts of organic compounds. Many labs, however, increasingly desire greater flexibility for analyzing a diverse range of sample types and volumes," said Jim Corbett, Executive Vice President and President, Discovery & Analytical Solutions, PerkinElmer. "To meet these growing research needs, along with evolving compliance requirements, PerkinElmer developed a comprehensive fluorescence solution that delivers versatility and accuracy, without compromising sample integrity."

### KEY FEATURES:

The new FL 6500 and FL 8500 systems include:

- Improved signal to noise performance measurement for lower level analysis
- Better resolution to increase the number of spectral peaks that can be resolved
- Enhanced smart accessory interface for easy installation
- Fully-integrated thermal accessories to allow direct control of cuvettes for enhanced capability with molecular biology applications
- PerkinElmer's Radian™ proprietary instrument remote monitoring system

### MORE:

For additional information about the FL 6500 and FL 8500 Fluorescence Spectrometers, accessories and services, please visit: <http://www.perkinelmer.com/category/fluorescence-spectroscopy>

### ABOUT PERKINELMER:

PerkinElmer, Inc. is a global leader committed to innovating for a healthier world. Our dedicated team of about 11,000 employees worldwide is passionate about providing customers with an unmatched experience as they help solve critical issues especially impacting the diagnostics and discovery and analytical solutions markets. Our innovative detection, imaging, informatics, and service capabilities, combined with deep market knowledge and expertise, help customers gain earlier and more accurate insights to improve lives and the world around us. The Company reported

revenue of approximately \$2.3 billion in 2017, serves customers in more than 150 countries, and is a component of the S&P 500 Index. Additional information is available through 1-877-PKI-NYSE, or at [www.perkinelmer.com](http://www.perkinelmer.com).

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