

THE POWER OF XENON: LIGHT YEARS AHEAD IN FLUORESCENCE MEASUREMENT TECHNOLOGY

The Cary Eclipse—provides sensitivity and accuracy where you need it

Fluorescence dyes cover a wide range of excitation and emission wavelengths, with the more common fluorophores, such as fluorescein and rhodamine, emitting in the visible region of the spectrum. So, how important is the sensitivity at Ex350/Em400 nm for your application?

The Cary Eclipse has been optimized to provide excellent sensitivity in the visible region of the spectrum, without compromise to the UV where important amino acids such as tryptophan and tyrosine are measured. This is why for years, Agilent has been publishing sensitivity data at Ex500/Em602 nm—a region of the spectrum that may be more appropriate for your application and where it matters most to you.

Proven sensitivity where you need it most.

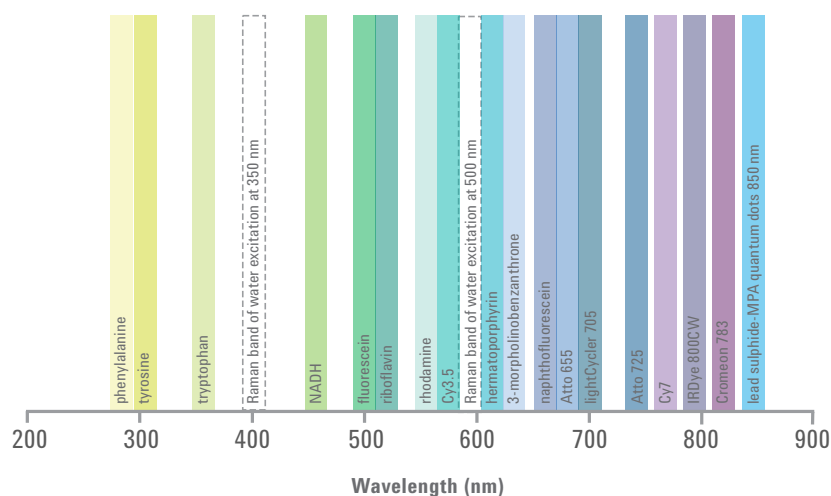
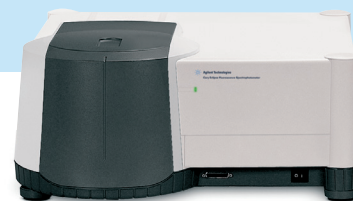


Figure 1. How many of your target molecules lie at 350 nm? Sensitivity at 500 nm and beyond is where you need it and that's why Agilent has been publishing data in that region of the spectrum for years.

Did You Know?

Photodegradation can also effect the accuracy of your measurement by reducing the sensitivity of the fluorophore being measured. While ambient light is one such cause of photodegradation, the more common cause could be the instrument you are using to analyze your sample. The Agilent Xenon flashlamp has been proven to eliminate photodegradation¹ and, with the excellent sensitivity across the UV and visible regions of the spectrum, you are guaranteed data of the highest quality without compromise.

¹ Application Note (5990-7791EN)



Agilent Cary Eclipse

Superior sensitivity where you need it most, renowned reliability, and enhanced sampling capabilities.



Save time and money

- 10 year lamp life guarantee
- Reduce ongoing lab costs
- Start work immediately with the zero warm up flashlamp



Simplify your analysis

- Streamline workflows
- Operate with covers open
- Easily access samples and accessories



Improve lab safety

Eliminate costly, time-consuming, and dangerous lamp replacements.



Flexible configurations

Use software to switch seamlessly between

- Fluorescence
- Phosphorescence
- Chemi/bio-luminescence
- Time-resolved modes



Uncompromised performance

- Proven sensitivity where you need it
- Rapid and precise kinetics measurements
- Accurate, stable, and reliable thermal control accessories



Save

With the power of Xenon you can save money and help care for the environment.



Want to learn more?

Ask for a demo and see how the proven choice for applications in academia, life sciences, biotechnology, chemicals, energy, and food testing analyses can exceed your analytical expectations.

To learn more about the Agilent Cary Eclipse visit:
www.agilent.com/chem/cary-eclipse

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