

Cary Eclipse Fluorescence Spectrophotometer with Microplate Reader and Polariser

Supplier: Agilent Technologies (Varian)

The Cary Eclipse Spectrophotometer uses a Xenon flash lamp for superior sensitivity, high signal-to-noise, and fast kinetics. It measures the emission of light from samples in four modes. Using Xenon lamp technology, it captures a data point every 12.5 ms and scans at 24,000 nm/min without peak shifts. The Cary Eclipse is the only spectrophotometer with room light immunity. With an optional microplate reader, it offers full wavelength scanning of 384 samples.

- **Four collection modes:** Fluorescence, phosphorescence, chemi/bio-luminescence, and time resolved phosphorescence
- **Modular software:** Modular software: application focused software for novice and expert users
- **High sensitivity:** red-sensitive photomultiplier tube detectors extend to 900 nm
- **Small volume samples:** measures low-volume picomolar fluorescein concentrations (<0.5 mL) and large, odd-sized samples too
- **Fast kinetics:** scans at 24,000 nm/min without peak shifts using Xenon flash lamp technology and up to 80 points per second in steady-state fluorescence mode
- **Fast reactions** of 1-2 seconds can be measured using the [rapid mix accessory](#) or the [stopped flow accessory](#)
- **Room light immunity:** the instrument operates with the front and top panels removed for easy access to sample and fast installation of large accessories

