Applications for Life Sciences

Characterize bio-labels for live cell imaging


Characterizing GPCR oligomerization

Rapid kinetics showing G-Protein coupled receptor oligomerization. With the Cary Eclipse measure time based experiments as well as analyze emission spectra (Pelissier et al. 2011 J Biol Chem Vol 286(12) doi:10.1074/jbc.M110.201939).

The benefits of xenon

With unique, xenon flash lamp technology the Cary Eclipse is capable of fluorescence, phosphorescence, chemi- and bioluminescence measurements. The Cary Eclipse optical design enables measurements of samples sensitive to light without photo-bleaching, yet also provides room light immunity for fluorescence measurements. Work with the sample compartment open! With exceptionally fast data collection, a scan of the entire wavelength range can be completed in under three seconds. Or collect 80 points per second for fast kinetics measurements at a single wavelength.

The Cary Eclipse has the lowest cost of ownership as the lamp typically lasts over 10 years. Save money over the life of the instrument.

Detecting specific bacterial strains using fluorescent assay

Application flexibility

With a range of easy-to-use accessories available, the Cary Eclipse is able to do any fluorescence application.