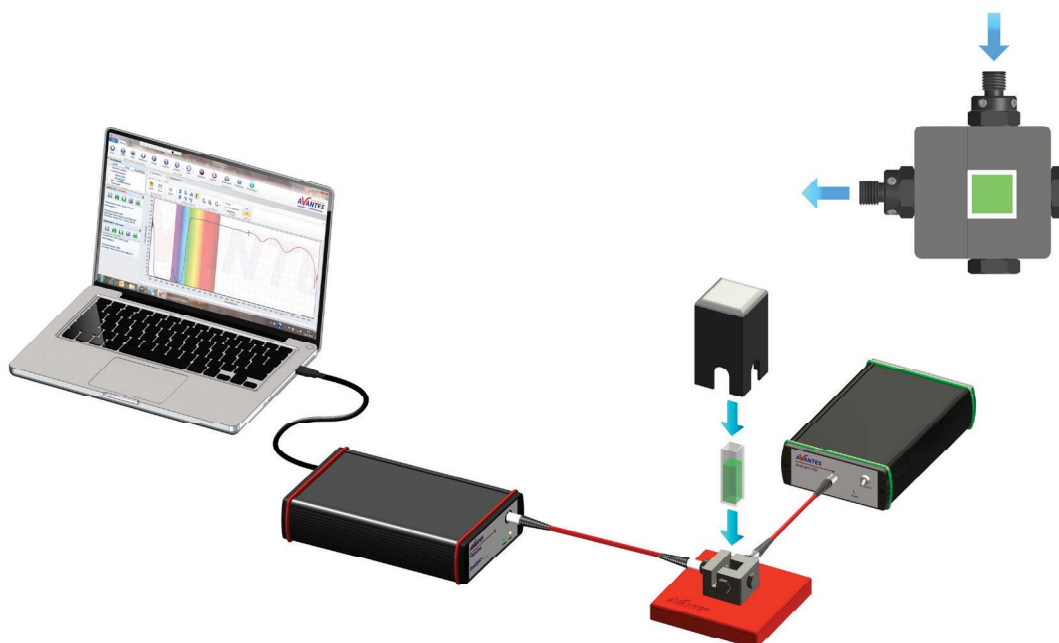
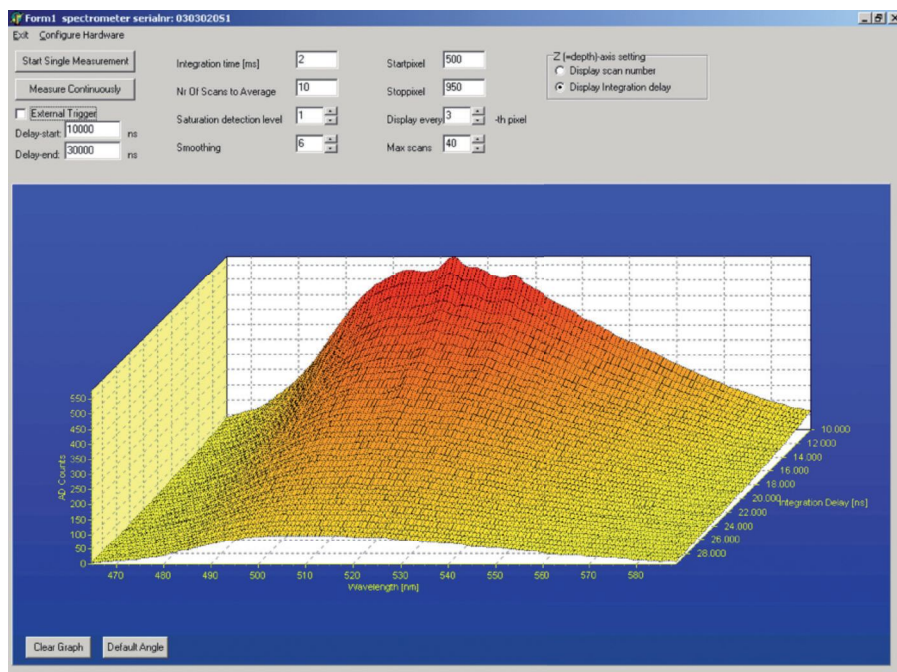


Applications

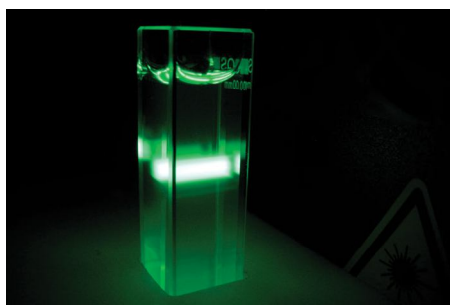
When configuring the measurement setup,

- Make use of an AvaLight-LED light source which typically has a narrow bandwidth enabling the limitation of excitation to shorter wavelengths that are not part of the emission spectrum
- Use a broadband light source such as the AvaLight-HAL for high output in combination with an (interference) band-pass or low-pass filter.
- Make sure the optical path for excitation light and fluorescence are perpendicular. This means the excitation light will not enter the receiving fiber (use the CUV-UV/VIS-FL or the CUV-DA)
- Use the fluorescence decay time to separate excitation energy from the integration time start pulse. Use a pulsed light source to accomplish this (pulsed laser or AvaLight-XE Xenon flash)





Fluorescence



In spectroscopy fluorescence is one of the more challenging setups, due to the low fluorescent emission (about 3% of the excitation energy). The AvaSpec-2048L gives the highest sensitivity and the AvaLight-LED series provides excitation at the requested wavelength.

Typical applications:

- Dyes identification
- Fluorescent lamps
- Diagnosis of malignancies
- Fluorescent labeling

... and many more

Order information: Ava-Fluorescence

Spectrometer	AvaSpec-ULS2048L-USB2	Grating VA (350-1000nm) 200 μ m slit, DCL-UV/VIS-200, OSC AvaSoft-Full
Light source	AvaLight-LEDxxx	Power supply
Fiber optics	FCR-UV200/600-2-IND FCR-FLTIP-IND	

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