Spectrofluorometer (fluorescence spectrophotometer)

Specifications

Excitation: 200–950 nm
Emission: 200–950 nm
Source: Xenon lamp for steady-state fluorescence spectroscopy
Signal-to-Noise Ratio: 3000:1 or better (steady-state mode)
Bandpass: Ex. 0-15 nm, Em. 0–30 nm, continuously adjustable using computer
Wavelength Accuracy: ± 0.5 nm
Emission Detector: Photomultiplier, range 200–850 nm
Reference Detector
Sample holders for measurements on solution, powder, pellet and thin film samples
Filter set for eliminating second order spectrum
Facility for lifetime measurements for life time range from about 100 pico second to about 0.1 milli second
Time-correlated single-photon counting (TCSPC) accessory for lifetime determinations
Solid-state sources of wavelengths: 280 nm, 340 nm, 390 nm, 440 nm, 560 nm, and 635 nm
Control software including Personal Computer
Prices of other optional accessories, like quantum efficiency measurement accessory, may be quoted separately