

# Spectrofluorometer



**Brand** : JASCO

**Model** : FP-6200

**Location** : K647 Room, 6<sup>th</sup> Floor, Chaloeprakiet Building, Phyathai Campus

**Custodian** : Sirichai Kositarat

## Description and Specification:

<b>Light source:</b>	Xe lamp with shielded lamp house, 150-watt
<b>Detector:</b>	Silicon photodiode for excitation monochromator Photomultiplier for emission monochromator
<b>Photometric system:</b>	Photometric ratio system using monochromatic light to monitor the intensity output of Xe source
<b>Monochromators:</b>	Holographic grating with 1200 grooves/mm modified Rowland mount
<b>Mode of measurement :</b>	Intensity, Time scan, Quantitative, Spectrum, peak search for unknown
<b>Spectral bandwidth:</b>	5, 10, 20 nm on both excitation and emission monochromators
<b>Wavelength scan speed:</b>	60, 125, 250, 500, 1000, 4000, 8000 nm/min for both excitation and emission monochromators
<b>Wavelength accuracy :</b>	+ 1.5 nm
<b>Slew speed:</b>	30,000 nm/min
<b>Gain:</b>	High, Medium, Low (approx. x100, x10, x1)
<b>Sample compartment:</b>	Single cell holder
<b>Photometric stability:</b>	+/- 1%/hr
<b>Sample chamber :</b>	Thermostatic water circulating sample cell holder