

Product number: KS-660
Product name: 550–670 nm
Fluorescence Polarization Standard

Description

- Fluorescence polarization standard for the excitation range between 550 and 670 nm

Applications

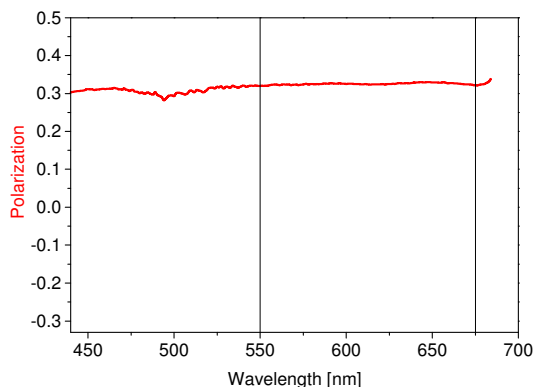
- Calibration of fluorescence instrumentation equipped with polarizers for fluorescence polarization measurements

Storage

- Refrigerated in absence of light

Spectral Data

Solvent	Excitation Range [nm]	Emission Range [nm]	Fluorescence Lifetime at 25 °C [ns]	Polarization at 25 °C [mP]
Phosphate buffer pH 7.4	550–670	670–720	0.27±2	323±4



Excitation polarization spectrum of **KS-660** at 25 °C in phosphate buffer pH 7.4. The fluorescence polarization is constant at 323±4 mP between 550 nm and 670 nm

Sample Preparation

The standard kit consists of 4 vials of the standard supplied as a solid in a 5 mL vial. The supplied standard is to be injected in its original vial with 4 mL of distilled or deionized water to yield a standard solution in 10 mM phosphate buffer pH 7.4. For measurement the solution is then transferred to an optical cuvette using a syringe filter, e.g. a 0.45 mm GHP ACRODISC (PALL), (not included). Do not store these solutions for an extended period of time.