

ROX Reference Dye

Cat #: B-CHM105

Size: 500 μ L

Storage: Store at -20°C protected from light.

Product Introduction

The ROX Reference Dye is commonly used on Real-Time PCR amplifiers from companies such as ABI and Stratagene. It is used to compensate for differences between PCR tubes caused by variations in PCR sample loading. The required concentration of ROX Reference Dye may vary depending on the specific instrument. Our company provides a storage solution of ROX Reference Dye with a concentration of 25 $\mu\text{mol/L}$. The recommended final concentration for different instruments is either 50 nmol/L or 500 nmol/L . Users can add the ROX Reference Dye according to the recommended concentration for their instrument.

Product Properties

Spectral properties: Ex / Em = 578/604 nm, Extinction coefficient ($\text{cm}^{-1} \text{M}^{-1}$)=82000

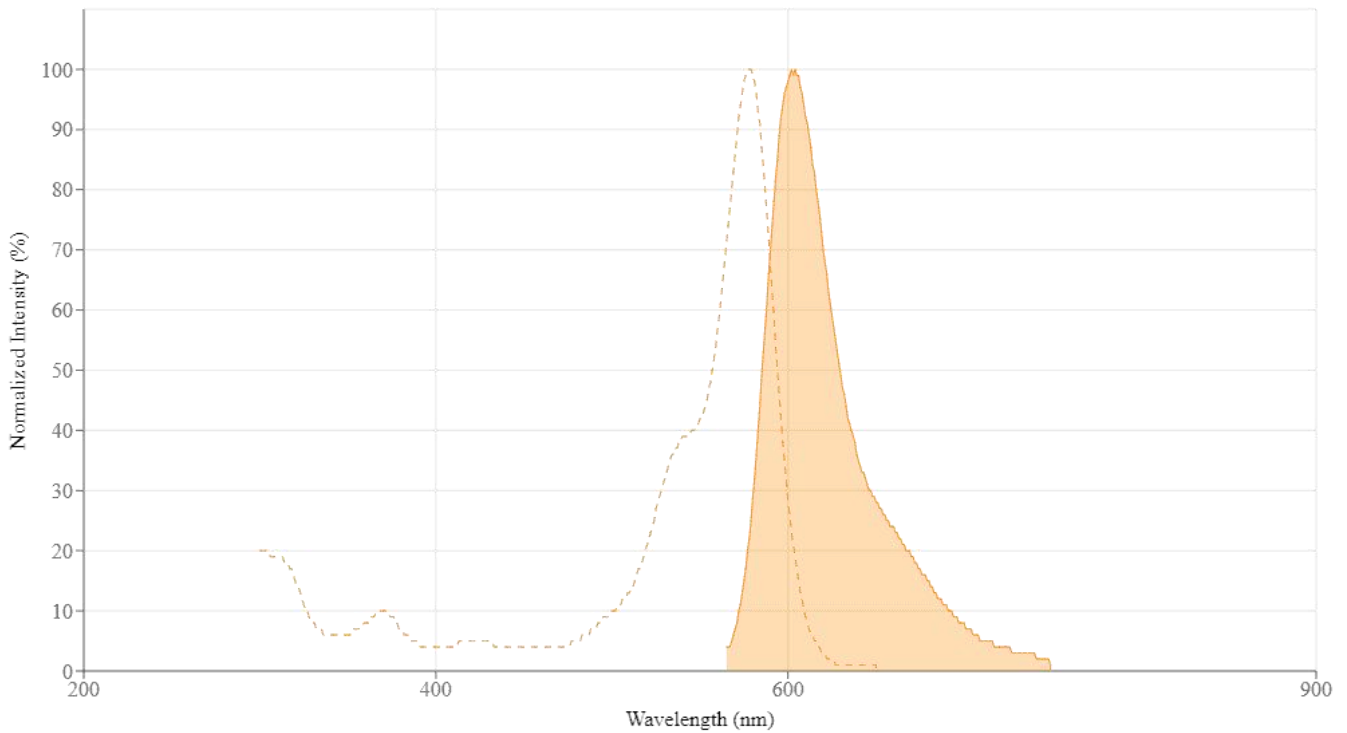
Storage

Storage conditions: Long-term storage should be at -20°C to prevent repeated freeze-thaw cycles. For short-term use, the ROX Reference Dye can be stored at 4°C .

Stability: Stable for at least 6 months under proper storage conditions.

The recommended final concentration of ROX on the specific instrument:

Instrument	ROX per 50µL PCR Reaction	Final Concentration
ABI PRISM 7000/7300/7700/7900HT and 7900HT Fast, ABI Step One, ABI Step One Plus	1.0 µL (0.6~1.0 µL)	500 nmol/L (300~500 nmol/L)
ABI 7500, 7500 Fast, Stratagene Mx3000P, Mx3005P, Mx4000, MJ Research Chromo4, Opticon (II), Corbett Rotor Gene 3000	0.1 µL (0.06~0.1 µL)	50 nmol/L (30~50 nmol/L)



Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.