

ROX Reference Dye

Research Use Only

Product Code

75001

Component

ROX Reference Dye 50 µl

Storage Condition

Store at 0~10°C in the dark. For long-time storage (>1 month) at -20°C

Description

ROX (6-carboxy-X-rhodamine) Reference Dye for quantitative polymerase chain reaction roles as an internal reference for normalization of the fluorescent signal when using real-time PCR instruments. The excitation maximum and emission maximum of ROX Reference Dye are at 580 nm and 621 nm, respectively.

Concentration

25 µM in Dimethyl Sulfoxide (DMSO)

Storage and Stability

ROX Reference Dye is stable for 24 months when stored in a constant temperature freezer at less than -20°C.

Usage Recommendation

ROX dye can be included in the reaction to normalize the fluorescent reporter signal, for instruments which are compatible with that option.

50x ROX is a 25 µM concentration. Use the following table to determine the amount of ROX to use with a particular instrument.

Instrument	Usage Volume as 25 µM ROX	Final ROX concentration
AB 7000, 7300, 7700, 7900HT, 7900 Fast, StepOne and StepOnePlus	Diluted 50:1 Use 1 µl per 50 µl reaction	500 nM
AB 7500, 7500 Fast, Stratagene Mx3000P, Mx3005P and Mx4000	Diluted 500:1 Use 0.1 µl per 50 µl reaction	50 nM

Made in KOREA

This product was manufactured through ISO 9001 & 13485 system.