

50 × ROX Reference Dye

Product description

ROX Reference Dye is used in Real-Time PCR instruments from companies such as ABI and Stratagene to correct for well-to-well variations caused by pipetting and other factors. The concentration of this product is 25 μM.

Components

Name	Components No.	Q10200-1	Q10200-2	Q10200-3
50× ROX Reference Dye	Size	100 μL	500 μL	1000 μL

Storage

Store at -25 to -15°C in individual portions, protected from light, and avoid repeated freezing and thawing. Valid for 2 years. For short-term use, it can be stored at 4°C.

Usage

1. 50× ROX Reference Dye (High Rox)

Quantitative system: add 1μL 50× ROX Reference Dye to the 50 μL qPCR system.

2. 50× ROX Reference Dye II (Low Rox)

1) 50× ROX Reference Dye II configuration method: 10 times diluted in 50 ROX Reference Dye *.

ROX dilution: 20 mM Tris-HCl (pH 8.4), 0.1 mM EDTA, 0.01% Tween 20.

2) Quantitative system: add 1 μ L 50 ROX Reference Dye II * * in 50 μL qPCR system.

* It can be diluted and added according to the system size; ** For the porous system preparation, it is recommended to prepare the premixed solution and mix it thoroughly before use.

Applicable instruments

1. 50× ROX Reference Dye Suitable model (High Rox):

ABI: 5700, 7000, 7300, 7700, 7900HT Fast, StepOne , StepOne Plus.

2. 50× ROX Reference Dye II Suitable model (Low Rox):

ABI: 7500, 7500 Fast, ViiA7, QuantStudio 3 and 5, QuantStudio 6,7,12k Flex.

Stratagene: MX3000P, MX3005P, MX4000P.

3. Instrument model without Rox correction:

Bio-Rad: CFX96, CFX384, iCycler iQ , iQ 5, MyiQ , MiniOpticon , Opticon , Opticon 2, Chromo4.

Roche Applied Science: LightCycler 480, LightCycler 2.0, Lightcycler 96.

Eppendorf Mastercycler: ep realplex , realplex 2 s.

Qiagen Corbett: Rotor-Gene Q, Rotor-Gene 3000, Rotor-Gene 6000.

Thermo Scientific: PikoReal Cyclers.

Cepheid SmartCycler .

Illumina: Eco qPCR.

Notes

1. For your safety and health, please wear a lab coat and disposable gloves when operating.
2. This product is for research use only!