



Check the product label for actual catalog number, lot and expiry date.

ROX for qPCR Mixes, 50 µM

CAT.# SIZE COMPONENTS

ROX0105 500 µl 0.5 ml - ROX for qPCR Mixes, 50 µM

COMPONENT COMPOSITION

50 µ concentrated ROX reference dye, ready to use for all qPCR master mixes, if the mix does not include ROX, but the ROX is required for the instrument.
Can be used in instrument applications that require either high ROX or low ROX concentration.

Storage *In the dark at -20°C.
Once ROX is mixed with the master mix, the mixture may be used straight away or stored at -20 °C in the dark until the nearest expiry date (that of Mix or of ROX).*

APPLICATIONS

- qPCR using instruments that allow the use of ROX passive reference dye at high or low concentration
- qPCR assays based on specific probes and dye

BENEFITS

- For use in all qPCR mixes
- Highly concentrated dye, ready to add into the 2X or 4X concentrated qPCR mix containing no ROX

PRODUCT DETAILS

highQu ORA™ qPCR Probe Mixes and 1Step RT qPCR Probe Kits are available in 3 versions – without ROX, with low or high ROX concentration.

ROX is a passive reference dye for qPCR, which is used to normalize data in quantitative real-time PCR (qPCR) experiments.

The ROX for qPCR Mixes, 50 µM is a great choice for those users who wish to have the universal Probe mix, that can be used either without ROX, or with different ROX concentrations, what allows the applications on all kind of available real time PCR instruments.

ROX for qPCR Mixes, 50 µM can be added directly to the qPCR master mix no matter if it is 2X or 4X concentrated.

Mixture can be further stored as recommended by the master mix provider, and used as requested by the qPCR mix protocol and instrument instructions.

highQu qPCR mixes and kits that might be premixed with ROX dye if required

		No-ROX qPCR Mix concentration
DQP01	SampleIN™ Direct qPCR Probe Mix, 4X	4X
DOS01	SampleIN™ 1Step RTqPCR Probe Mix, 4X	4X
QPP01	ORA™ qPCR Probe Mix, 2X	2X
QPP04	ORA™ SEE qPCR Probe Mix, 2X	2X
QOP11	2X 1Step RT qPCR Probe Kit (with 2X qPCR Mix)	2X
QOP04	4X 1Step RT qPCR Probe Kit (with 4X qPCR Mix)	4X

For optional use, the ROX passive reference dye can be premixed within the qPCR Mixes. If the purchaser has an instrument capable of optional ROX detection and wishes to perform the optional normalization of the signal, then the user must select the option in the software. Notice to Purchaser: With purchasing of this product, no rights are conveyed with respect to U.S. Patent: 5,928,907 and corresponding patents outside the US.

NOTE

- For optional use, the ROX passive reference dye can be premixed within the qPCR Mixes. If the purchaser has an instrument capable of optional ROX detection and wishes to perform the optional normalization of the signal, then the user must select the option in the software.
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IN VITRO RESEARCH USE ONLY

Protocol:

- Thaw and keep reagents on ice. Mix very well before use.
- Store ROX in the dark at -20 °C.
- Refer to instrument instructions for ROX requirements.
- Volumes of 50 µM ROX to Add to a 1 ml of qPCR Mix

Supplied qPCR Mix conc.	For Low ROX instruments (to final ROX: 50 nM)	For High ROX instruments (to final ROX: 500 nM)
4X	4 µl	40 µl
2X	2 µl	20 µl

- Once ROX is mixed with the master mix, the mixture may be used straight away or stored at -20 °C in the dark until the nearest expiry date (that of Mix or of ROX).

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