

## **ROX reference dye for qPCR**

<http://www.lumiprobe.com/p/rox-reference-dye>

This ROX formulation is a passive reference dye for qPCR application. The use of this dye is recommended for the normalization of fluorescence intensity of qPCR reporter dyes, such as dsGreen or TaqMan probes. It also allows for correcting pipetting errors and instrumental drift, such as changes in lamp intensity output over time.

The dye contains 25 µM solution of rhodamine 101 reference dye in 10 mM Tris-HCl (pH 8.6), 0.1mM EDTA, and 0.01% Tween®-20.

ROX reference dye is compatible with all qPCR instruments with ROX channel. Most instruments require either 500 nM or 50 nM end concentration of ROX.

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### **General properties**

Appearance:	pink solution
Quality control:	functional test in RT PCR, UV-Vis abs
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

### **Spectral properties**

Excitation/absorption maximum, nm:	570
Emission maximum, nm:	591