

## ROX reference dye for qPCR

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 SYBR Green I or TaqMan probes. It also allows to correct for pipeting errors, and instrumental drift such as change of lamp intensity output over time.

The dye contains 25  $\mu$ M solution of 5-carboxy-ROX (rhodamine-X) reference dye in 10mM 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:	NMR <sup>1</sup> H, HPLC-MS (95%)
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.
TN VED Code:	3204190000

### Spectral properties

Excitation maximum, nm: 570

Emission maximum, nm: 591