

**ROX Reference Dye**

Reference dye for fluorescence signal normalization

Cat. No.	Amount
PCR-351	500 reactions (500 µl)

**For in vitro use only!****Shipping:** shipped on blue ice**Storage Conditions:** store at -20 °C**Additional Storage Conditions:** store dark**Shelf Life:** 12 months**Form:** liquid, pink, supplied in 20 mM Tris-HCl pH 8.4, 0.1 mM EDTA and 0.01 % Tween-20.**Concentration:** 50x conc. (25 µM)**Description:**

ROX reference dye is optimized for block-based real-time PCR instruments that are compatible with the evaluation of the ROX reference signal. The dye does not take part in the PCR reaction but allows to normalize for non-PCR related signal variation and provides a baseline in multiplex reactions. The dye is supplied as 50x concentration.

**Spectroscopic data:**Excitation maximum:  $\lambda_{Ex}$  = 576 nmEmission maximum:  $\lambda_{Em}$  = 601 nm**Preparation of the qPCR master mix:**

The preparation of a master mix is crucial in quantitative PCR reactions to reduce pipetting errors. Vortex the ROX reference dye thoroughly prior to addition to the master mix. Add 1 µl ROX reference dye for each 50 µl of master mix.

**Related Products:**

qPCR Core Kits

Dual labeled fluorescent probes

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