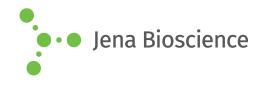
DATA SHEET





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: λ_{EX} = 576 nm Emission maximum: λ_{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 μ l ROX reference dye for each 50 μ l of master mix.

Related Products:

qPCR Core Kits Dual labeled fluorescent probes Custom primers