

DATA SHEET

**ROX Reference Dye**

Reference dye for fluorescence signal normalization

| Cat. Nº. | Amount |
|------------|------------|
| ■ PCK-121S | 500 µL |
| □ PCK-121L | 5 x 500 µL |

Shipping:

Shipped on blue ice

Storage Conditions:

Store at -20 °C (in the 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 Properties:

Excitation maximum: λ_{exc} 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 µL ROX reference dye for each 50 µL of master mix.

For *in vitro* use only!