

**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.

**Concentration:** 50 x / 25  $\mu$ M

**Spectroscopic data:**

Excitation maximum:  $Ex_{\lambda}$  = 576 nm

Emission maximum:  $Em_{\lambda}$  = 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  $\mu$ l ROX reference dye for each 50  $\mu$ l of master mix.

**Shipping:** shipped on dry ice

**Storage Conditions:** store at -20 °C and store dark

**Shelf Life:** at least for 16 months

**Supplied** in 20 mM Tris-HCl pH 8.4, 0.1 mM EDTA and 0.01 % Tween-20

| Prod. No. | Description             | Quantity            |
|-----------|-------------------------|---------------------|
| F9153     | ROX Reference Dye (50X) | 1 ml / 1000 rcs     |
| F9153L    | ROX Reference Dye (50X) | 5 x 1 ml / 5000 rcs |