



## Fluorescein Reference Dye

Reference dye for fluorescence signal normalization

Cat. No.	Amount
PCR-355	1000 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 (Supplied in 20 mM Tris-HCl pH 8.4, 0.1 mM EDTA and 0.01 % Tween-20)

**Concentration:** 100x conc.

**Spectroscopic Properties:**  $\lambda_{\text{abs}}$  485 nm;  $\lambda_{\text{em}}$  514 nm;  
 $\epsilon$  93.0 L mmol<sup>-1</sup> cm<sup>-1</sup> (pH 9.0); quantum yield 0.93 (pH 9.5)

**Description:**

Fluorescein Reference Dye is optimized for block-based real-time PCR instruments that are compatible with the evaluation of a Fluorescein reference signal. The dye does not take part in the qPCR reaction but allows to normalize for non-PCR related signal variation and provides a baseline in multiplex reactions. The dye is supplied as 100x concentration.

**Preparation of the qPCR master mix:**

The preparation of a master mix is crucial in quantitative PCR reactions to reduce pipetting errors. Vortex the Fluorescein Reference Dye thoroughly prior to addition to the master mix. Add 0.5 µl Fluorescein Reference Dye for each 50 µl of master mix.

**Related Products:**

qPCR Core Kits  
Dual labeled fluorescent probes  
Custom primers