

Maximo Fluorescein Reference Dye

Dye for fluorescence signal normalization

Description:

The dye is optimized for block-based real-time PCR instruments that are compatible with the evaluation of the FAM reference signal.

The fluorescent 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 100x concentration.

Spectroscopic Properties: λ_{abs} 485 nm; λ_{em} 514 nm; $93.0 \text{ L mmol}^{-1} \text{ cm}^{-1}$ (pH 9.0); quantum yield 0.93 (pH 9.5)

Preparation of Mastermix for qPCR

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.

note: The preparation of a master mix is crucial in quantitative PCR reactions to reduce pipetting errors.

Shipping: shipped on blue ice

Storage Conditions: store at -20 °C and dark

Shelf Life: at least 18 months

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

Concentration: 100x conc.

Ordering information:

Cat.-no	Description	Amount
F553	Maximo Fluorescein Reference Dye	1000 μl (2000 rxs)
F553L	Maximo Fluorescein Reference Dye	500 μl (10000 rxs)

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