

EvaGreen fluorescent dye (50x)

Description:

EvaGreen® Fluorescent DNA Stain is a superior DNA intercalator dye specially developed for DNA analysis applications including real-time PCR (qPCR) and high-resolution DNA melting curve analysis (HRM). Upon binding to DNA, the non-fluorescent dye becomes highly fluorescent while showing no detectable inhibition to the PCR process. The dye is extremely stable both thermally and hydrolytically, providing convenience during routine handling. The high quantum yield, excellent stability and lowest inhibition toward PCR makes it the ideal fluorophore in real-time PCR applications and a superior replacement for the widely used SYBR® Green I dye.

Spectroscopic Properties: λ_{exc} 500 nm (bound to DNA); λ_{em} 530 nm (bound to DNA)

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

Concentration: 50x conc.

Shipping: on blue ice

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

How to use:

EvaGreen® fluorescent DNA stain is supplied as 50x concentration.

-Vortex EvaGreen® Fluorescent DNA Stain thoroughly prior to its use.

-Add 1 μ l EvaGreen® Fluorescent DNA Stain for each 50 μ l of the assay Mastermix.

-select the optical setting for SYBR® Green on the detection instrument.

Ordering information:

Cat.-no	Description	Amount
F253	EvaGreen fluorescent dye (50x)	2x500 μ l
F253L	EvaGreen fluorescent dye (50x)	10x500 μ l

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