

Description:

EvaGreen Fluorescent DNA Stain is well known DNA intercalator dye specially developed for DNA analysis applications including real-time PCR (qPCR) and HRM-analysis. Upon binding to DNA, the non-fluorescent dye becomes highly fluorescent while showing no detectable inhibition to the PCR process.

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.

The dye is extremely stable both thermally and hydrolytically, providing convenience during routine handling.

Applications:

Vortex EvaGreen® Fluorescent DNA Stain thoroughly prior to its use. Add 1 µl EvaGreen® Fluorescent DNA Stain for each 50 µl of the assay. Please note that the preparation of a master mix is crucial in quantitative PCR reactions to reduce pipetting errors. To perform the EvaGreen-based assay simply select the optical setting for SYBR® Green on the detection instrument.

Shipping: blue ice or room-temperature

Storage Conditions: store at -20 °C and dark

Shelf Life: at least for 18 months

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

Concentration: 100 µM

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

Order Information

Prod. No.	Description	Quantity
F9253	EvaGreen® Fluorescent DNA Stain (100µM)	1 ml / 1000 rcs
F9253L	EvaGreen® Fluorescent DNA Stain (100µM)	5 x 1 ml / 5000 rcs