

HOT FIREPol® EvaGreen® qPCR Mix Plus

Cost-effective dye-based qPCR Mix for capillary cyclers



- high sensitivity and specificity
- excellent efficiency
- reaction set-up and shipment without dry ice
- cost-effective solution for a wide range of applications

Ordering

Choose Product Size

- 1 ml | 250 rxn
- 5 x 1ml | 1250 rxn
- 10 x 1ml | 2500 rxn
- 20 ml | 5000 rxn
- 0.2 ml | 50 rxn **free sample**

REQUEST FOR BULK SIZE

Some applications of this product may require a license which is not provided by the purchase of this product.

For research use only.

Description

Dye-based real-time quantitative PCR (qPCR) uses DNA binding dye to evaluate the DNA amplification process during PCR. In this mix EvaGreen® double-stranded DNA binding dye is used instead of the more widely used SYBR Green I that has similar fluorescence spectra. Compared to SYBR Green I dye EvaGreen® dye shows a higher fluorescence level, high sensitivity for detecting low template concentrations, and high stability at room temperature. HOT FIREPol® EvaGreen® qPCR Mix Plus (Capillary) is an optimized ready-to-use solution for dye-based real-time quantitative PCR assays on capillary cyclers.

Properties

Concentration: 5x

Hot-start: yes, initial activation in 12-15 min

Detection type: dye-based, includes EvaGreen® intercalating dye

Reference dye: none

Compatible real-time instruments: LightCycler 1.x and 2.0 (Roche Applied Science).

Applications

Detection and quantification of DNA and cDNA targets
Profiling gene expression
Microbial detection
Viral load determination

Mix Components

HOT FIREPol[®] DNA polymerase: chemically modified FIREPol[®] DNA Polymerase enabling hot-start

5x EvaGreen[®] qPCR buffer with 12.5 mM MgCl₂: 1x PCR solution – 2.5 mM MgCl₂

dNTPs: dATP, dCTP, dGTP and dTTP

EvaGreen[®] dye

Bovine serum albumine (BSA) to enhance qPCR reaction

EvaGreen Dye

EvaGreen[®] is a DNA-binding dye with many features that make it a superior alternative to SYBR[®] Green I for qPCR. Apart from having similar spectra, EvaGreen[®] has three important features that set it apart from SYBR[®] Green I: EvaGreen[®] has much less PCR inhibition, is an extremely stable dye, and has been shown to be non-mutagenic and non-cytotoxic. EvaGreen[®] is compatible with all common real-time PCR cyclers – simply select the standard settings for SYBR[®] Green or FAM!

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura,
Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222
Mobile: +91-9810521400
Fax: +91-11-42208444
Email: customerservice@lifetechindia.com
Web: www.lifetechindia.com