

SolisFAST® SolisGreen® qPCR Mix

Extremely fast and highly sensitive dye-based qPCR



Extremely fast and highly sensitive dye-based qPCR for most demanding applications.

- qPCR results 2x faster
- highly sensitive SolisGreen® dye
- reaction set-up and shipment without dry ice

Ordering

Choose Product Size

- 1 ml | 250 rxn
- 5 x 1ml | 1250 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

SolisFAST® SolisGreen® qPCR Mix is a 5x-concentrated ready-to-use solution optimized for fast, highly sensitive and reproducible dye-based qPCR assays.

Combining novel in silico-designed SolisFAST® DNA Polymerase with fast hot-start, optimized buffer and the SolisGreen® dye, this qPCR Mix offers robust qPCR, accurate target detection, ice free shipping and reaction set-up.

Properties

Concentration: 5x

Hot-start: yes, 3 minutes initial incubation at 95°C

Cycling speed: fast and ultra-fast

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

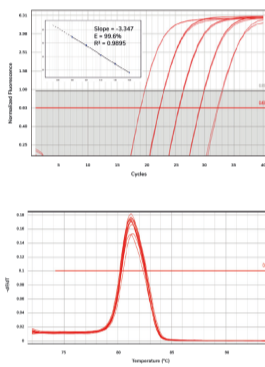
Reference dye: based on ROX

Compatible real-time instruments: The mix is compatible with qPCR cyclers where ROX is used as a passive reference signal for normalization of the data.

SolisGreen[®] dye

This dye-based qPCR mix contains next generation DNA binding dye SolisGreen[®]. The fluorescence spectra of this dye is similar to the more widely used SYBR[®] Green I and is compatible with most major realtime cyclers. SolisGreen[®] dye shows:

- high fluorescence level
- high sensitivity for detecting low template concentrations
- high stability for room temperature storage



Accurate and sensitive qPCR

Mix Components:

SolisFAST[®] DNA Polymerase: *In silico*- designed analogue of Taq DNA polymerase with enhanced stability at room temperature, fast hot-start and faster extension rates compared to the wild-type Taq DNA polymerase.

qPCR buffer: Includes 7.5 mM MgCl₂ (1X PCR solution 1.5 mM MgCl₂), dNTPs (dATP, dCTP, dGTP, dTTP), stabilizers and enhancers that maximize efficiency of PCR reaction

Reference dye: ROX is an internal passive reference dye used to normalize the fluorescent reporter signal generated in qPCR

Fluorescent dye: SolisGreen[®] is a nucleic acid dye detected in the FAM or SYBR[®] Green I channel

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