

HOT FIREPol® SolisGreen® qPCR Mix

Highly sensitive dye-based qPCR Mix with improved detection of low-copy targets.



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.

HOT FIREPol® SolisGreen® qPCR Mix is an optimized ready-to-use solution for real-time quantitative PCR assays, incorporating SolisGreen® dye.

It comprises all the components necessary, excluding the template and primers, to perform highly sensitive qPCR. The user simply needs to add water, template, and primers.

HOT FIREPol® DNA Polymerase is activated by a 10 min incubation step at 95°C. This prevents the extension of non-specifically annealed primers and primer-dimers formed at low temperatures during qPCR setup.

93 /100 3 Citations

Optimized ready-to-use solution for dye-based real-time quantitative PCR assays. SolisGreen® dye is characterized by high sensitivity and great PCR efficiency with low template amounts for accurate and reproducible results

- improved detection of low target concentrations
- higher fluorescence level
- reaction set-up and shipment without dry ice

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

Properties

Concentration: 5x

Hot-start: yes, initial activation in 10 min

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

Reference dye: based on ROX

Compatible real-time instruments: Most qPCR cyclers except platforms that require high ROX (HOT FIREPol® SolisGreen qPCR Mix is not compatible with the Applied Biosystems® 7900HT, StepOne™ or StepOnePlus™ systems.) [Check Your cycler!](#)

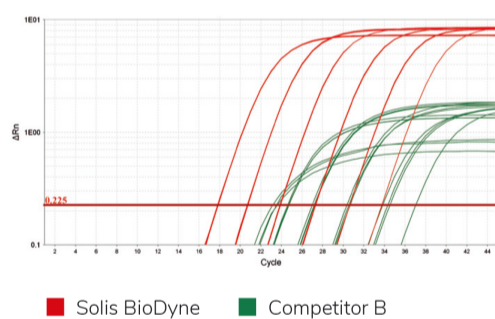
Applications

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

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 real-time cyclers. SolisGreen[®] dye shows:

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



Highly competitive

Excellent sensitivity

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Mix Components

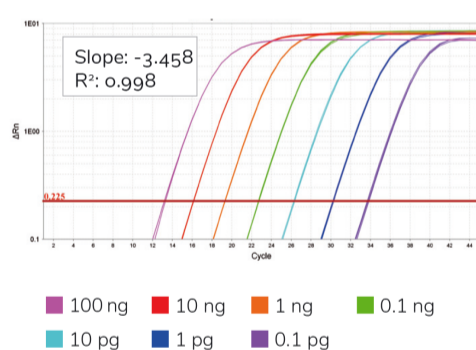
HOT FIREPol[®] DNA polymerase: chemically modified FIREPol[®] DNA Polymerase enabling hot-start

5x qPCR buffer with 12.5 mM MgCl₂: 1x PCR solution – 2.5 mM MgCl₂

dNTPs: dATP, dCTP, dGTP and dTTP

SolisGreen[®] dye

Internal reference based on ROX dye



Reference:

“ Excellent product quality along with affordable prices and committed customer service: these are the reasons why Solis BioDyne is our strategic enzyme supplier since many years. Now we continue our partnership with the robust, stable and very sensitive SolisGreen mixes for our qPCR product platform. ”

DAVIDE ROASCHIO
Scientist in Product Development
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