

HOT FIREPol® Blend Master Mix

Hot-start PCR master mix for more demanding assays



97 /100 105 Citations

increased yield, sensitivity and specificity
 up to 5x higher fidelity
 suitable for templates up to 5 kb
 reduced primer dimer formation

Ordering

Choose Product Size

- 1 ml | 250 rxn
- 5 x 1ml | 1250 rxn
- 10 x 1ml | 2500 rxn
- 20 ml | 5000 rxn
- 0.1 ml | 25 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.

Details

— Overview

Description

HOT FIREPol® Blend Master Mix Ready to Load is a premixed ready-to-use solution containing all reagents required for PCR (except template, primers, and water).

Properties

Concentration: 5x

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

Ready to load: no

Cloning Type: T/A cloning and Blunt-end cloning

proofreading activity. HOT FIREPol® Blend Master Mix exhibits an increased fidelity (up to fivefold) compared to regular Taq polymerase.

In addition, the mix also allows the amplification of longer fragments.

Generated PCR products are compatible with blunt-end and T/A cloning procedures.

Amplicon Size: up to 5 kb

Mix Composition:

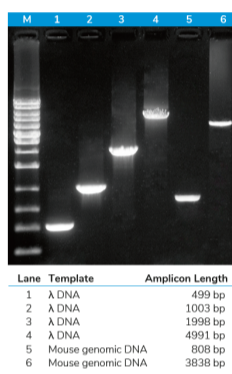
HOT FIREPol® DNA polymerase: chemically modified FIREPol® DNA Polymerase enabling hot-start

Proofreading enzyme to enhance fidelity

5x Blend Master Mix Buffer with 7,5 mM MgCl₂: 1x PCR solution – 1,5 mM MgCl₂

1 mM dNTPs of each: 1x PCR solution – 200 μM dATP, 200 μM dCTP, 200 μM dGTP and 200 μM dTTP

Bovine serum albumin (BSA) to enhance PCR reaction



Reference:

“ Solis BioDyne has proven to be a great company that has customer-oriented services in molecular work. HOT FIREPol Blend Master Mix is convenient to use, store and produces high quality results. I know what I am saying because it outperforms some products from other companies. ”

EMMY CHEPKOECH
PhD student
University of Eldoret, Kenya

Amplicons of various length from different templates

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