

FIREPol® Master Mix



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

For research use only.

Description

Optimized ready-to-use PCR master mix for routine PCR assays. This master mix contains thermostable Taq polymerase FIREPol®, MgCl₂, dNTPs, and buffer with detergent. You just need to add a template, primers, and water.

We recommend using FIREPol® Master Mix without ready to load feature in all PCR applications where spectrophotometric measurements (absorbance or fluorescence) are necessary post-PCR because loading dyes can interfere with these applications.

PCR Master Mix for routine applications

97 /100 62 Citations

suitable for templates up to 5 kb

reaction set-up and shipment without dry ice

all-in-one master mix format reduces pipetting errors and saves time

amplicons are suitable for Sanger sequencing post-PCR

Ordering

Choose Product Size

1 ml | 250 rxn

5 x 1ml | 1250 rxn

10 x 1ml | 2500 rxn

0.1 ml | 25 rxn **free sample**

REQUEST FOR BULK SIZE

Properties

Concentration: 5x

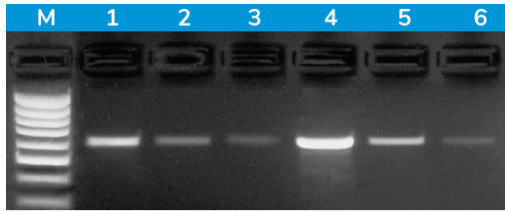
Hot-start: no

Ready to load: no

Fidelity: same as Taq

Cloning Type: T/A Cloning

Amplicon Size: up to 5 kb



Reference:

“ We are working with FIREPol® Master Mix for few years now and we are very satisfied. We are using it for genotyping (many different PCR) and we have excellent results. The ready to load format is very time saving. ”

CLAUDINE CORNELOUP

Engineer assistant

Platform for Experimental Biology on Mice,
Genotyping Laboratory, ENS de Lyon, France

int genomic DNA

Mix Components

FIREPol® DNA polymerase: highly processive, thermostable DNA polymerase

5x Reaction Buffer B: 0.4 M Tris-HCl, 0.1 M $(\text{NH}_4)_2\text{SO}_4$, 0.1% w/v Tween-20

12.5 mM MgCl_2 : 1x PCR solution – 2.5 mM MgCl_2

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

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