

repliQa HiFi ToughMix

FEATURES & BENEFITS:

- 2–3x faster PCR results with extension rates as fast as 1 kb/sec*
- Tough Tested – tolerant to a wide range of PCR inhibitors
- Amplification of 24+ kb gDNA and 40+ kb λ DNA
- Fidelity of >90x wild type Taq

DESCRIPTION:

The repliQa HiFi ToughMix is a 2x, ready-to-use solution that contains all the components for high fidelity PCR amplification, including a genetically modified DNA polymerase coupled with hot start antibodies.

This unique, next generation master mix provides >90x higher fidelity compared to Taq, while reducing time to PCR results by 2–3x. The extreme speed is enabled by extension times as fast as 1–10 kb/sec depending on target length. The enzyme is coupled with the industry leading ToughMix which is tolerant to a wide variety of inhibitors making it suitable for routine PCR, cloning, amplicon sequencing and site-directed mutagenesis.

Applications

- Crude PCR
- Long Range PCR
- Amplicon sequencing
- Routine PCR
- Cloning
- Site-directed mutagenesis

Order Info

Request
a **FREE**
SAMPLE
today

Product Name

repliQa HiFi ToughMix - 25

repliQa HiFi ToughMix - 100

repliQa HiFi ToughMix - 500

Quantabio Catalog Number

95200-025

95200-100

95200-500

Size

25 rxns

100 rxns

500 rxns

repliQa Hifi ToughMix



Quantabio Products



www.quantabio.com

Trademarks: ToughMix® is a registered trademark of Quantabio.

Quantabio products are intended for molecular biology applications. The products are not intended for the diagnosis, prevention or treatment of a disease.

MK-PROM REV 02 repliQa HiFi TM 0423

repliQa HiFi ToughMix®

Extreme speed for challenging PCR applications

1s/kb

EXTENSION SPEED*

90_x

FIDELITY vs TAQ

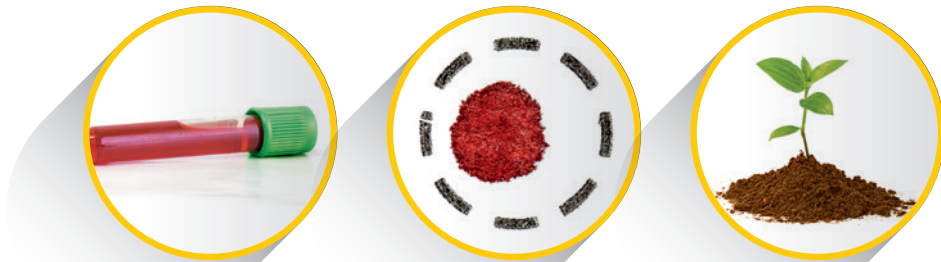
40_{kb}

AMPLICON LENGTH

* for fragments less than 1 kb in size

Quanta**bio**

ToughMix Chemistry



Blood Samples

Dried Blood Spots

Plant & Soil

Whip Inhibitors Into Shape

repliQa HiFi ToughMix is able to tolerate a wide range of common PCR inhibitors, providing robust and reliable results from a variety of starting materials and purification method. The unique ToughMix chemistry allows for amplification of crude difficult PCR sample type making repliQa HiFi ToughMix suitable for routine PCR, cloning, amplicon sequencing and site-directed mutagenesis.

- Ethanol
- Guanidine
- Hematin
- Hemoglobin
- Heparin
- Humic Acid
- SDS
- Xylan

What Scientists Are Saying



Recommend repliQa HiFi ToughMix



Top Reasons Scientists Choose repliQa HiFi ToughMix

Protocol Speed

1

Reduced significantly protocol times, even for demanding applications.

Higher Yield

2

Produced stronger gel bands and increased yield of PCR product.

New Results

3

Delivered results where other PCR reagents failed

Customer Testimonials

"It is very fast and works much better."

I used NEB Q5 for the same plasmid for PCR, same annealing temperature. Only repliQa HiFi ToughMix gave me the correct size products. It is very fast and works much better than NEB Q5 for difficult plasmids in PCR.

Dr. Kara C. | UT Southwestern Medical Centre

"Jaw-dropping results."

All I can say from testing repliQa HiFi ToughMix is that the results are jaw-dropping. I am testing a new way to amplify entire mitogenomes as a single amplicon (~15kb). This is a game changer, cutting the PCR time from ~8.5hrs to 1.5hrs, and way more product is generated. Good work Quantabio!

A. K. | BMC.

"It was awesome."

Worked great amplifying two gene targets from plasmid DNA. It was the first time I have performed a two step reaction and it worked great. It was awesome running everything in 23 minutes too.

Dr. Brandon L. | University of Nebraska

"repliQa saved my life."

This can amplify the tough template for SURE. I struggled with a tough template that showed poor quality results with other many PCR enzymes. repliQa saved my life and eventually gave me the clear and strong band by gel.

Lili C. | USC