

| Product Information | |
|------------------------------|----------------|
| repliQa HiFi ToughMix | |
| Part Number | 95200-025 |
| Number of Reactions | 25 reactions |
| Reaction Size | 50 uL |
| Storage Temperature | -25°C to -15°C |
| Lot Number | 66196370 |
| Reference Number | 050900 |
| Expiration Date | 10/31/2023 |

Product 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.

Component Part Numbers:

84640 repliQa HiFi ToughMix 0.625 mL

| Product Specifications | |
|------------------------|--|
| 95200 | |
| Assay | repliQa HiFi ToughMix Functional Assay |
| Result | Pass |

Quality Control Analysis and Specifications:

The functionality of the repliQa HiFi ToughMix is evaluated in a PCR reaction to produce a single 4.1kb product from 20 ng of Human Genomic DNA, while also ensuring the negative control is free of visible product.

Limitations of Use

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This product was developed, manufactured, and sold for *in vitro* use only. The product is not suitable for administration to humans or animals. SDS sheets relevant to this product are available upon request.