

| 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            | 66288371       |
| Reference Number      | 511300         |
| Expiration Date       | 01/31/2028     |

**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.

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