

New England Biolabs Certificate of Analysis

Product Name: Q5[®] High-Fidelity PCR Kit
 Catalog Number: E0555S
 Packaging Lot Number: 10079941
 Expiration Date: 12/2021
 Storage Temperature: -20°C
 Specification Version: PS-E0555S/L v3.0

| Q5 [®] High-Fidelity PCR Kit Component List | | | |
|--|---|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N0550AVIAL | Quick-Load [®] Purple 1 kb Plus DNA Ladder | 10059626 | Pass |
| M0492SVIAL | Q5 [®] High-Fidelity 2X Master Mix | 10072059 | Pass |
| B7024SVIAL | Gel Loading Dye, Purple (6X) | 10055732 | Pass |
| B1502AVIAL | Nuclease-free Water | 10074615 | Pass |

| Assay Name/Specification | Lot # 10079941 |
|---|----------------|
| <p>PCR Amplification (20 kb Lambda DNA, Master Mix) A 50 µl reaction in 1X Q5[®] High-Fidelity Master Mix and 1.0 µM primers containing 10 ng Lambda DNA for 22 cycles of PCR amplification results in the expected 20 kb product.</p> | Pass |
| <p>PCR Amplification (7 kb Human Genomic DNA, Master Mix) A 50 µl reaction in 1X Q5[®] High-Fidelity Master Mix and 0.5 µM primers containing 20 ng Human Genomic DNA for 30 cycles of PCR amplification results in the expected 7 kb product.</p> | Pass |
| <p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in Q5[®] High-Fidelity PCR Kit and meet the designated specifications.</p> | Pass |

This product has been tested and shown to be in compliance with all specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

Christie Vazquez

Christie Vazquez
Production Scientist
27 Jul 2020

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
27 Jul 2020