

New England Biolabs Certificate of Analysis

Product Name: Q5[®] High-Fidelity PCR Kit
 Catalog Number: E0555S
 Packaging Lot Number: 10077367
 Expiration Date: 10/2021
 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 | 10057982 | Pass |
| M0492SVIAL | Q5 [®] High-Fidelity 2X Master Mix | 10051982 | Pass |
| B7024SVIAL | Gel Loading Dye, Purple (6X) | 10055732 | Pass |
| B1502AVIAL | Nuclease-free Water | 10072020 | Pass |

| Assay Name/Specification | Lot # 10077367 |
|---|----------------|
| <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.

Christie Vazquez

Christie Vazquez
Production Scientist
16 Jul 2020

Josh Hersey

Josh Hersey
Packaging Quality Control Inspector
16 Jul 2020