

New England Biolabs Certificate of Analysis

Product Name: Q5[®] High-Fidelity PCR Kit
Catalog #: E0555S/L
Kit Components: Q5[®] High-Fidelity 2X Master Mix (M0492)
 Nuclease-free Water (B1502)
 Gel Loading Dye, Purple (6X) (B7024)
 Quick-Load[®] Purple 2-Log DNA Ladder (0.1 - 10.0 kb) (N0550)

Lot #: 0141705
Assay Date: 05/2017
Expiration Date: 05/2019
Storage Temp: -20°C
Specification Version: PS-E0555S/L v2.0
Effective Date: 19 Oct 2017

| Assay Name/Specification (minimum release criteria) | Lot #0141705 |
|--|--------------|
| 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. | Pass |
| 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. | Pass |
| * 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. | Pass |



Authorized by
Lynne Apone
19 Oct 2017



Inspected by
Michael Tonello
21 Jun 2017

