

## New England Biolabs Certificate of Analysis

**Product Name:** Q5® High-Fidelity PCR Kit  
**Catalog Number:** E0555L  
**Lot Number:** 10015261  
**Expiration Date:** 06/2020  
**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
N0550AAVIAL	Quick-Load® Purple 1 kb Plus DNA Ladder	10010116	Pass
M0492SVIAL	Q5® High-Fidelity 2X Master Mix	10010065	Pass
B7024SVIAL	Gel Loading Dye, Purple (6X)	10011266	Pass
B1502AVIAL	Nuclease-free Water	10009166	Pass

Assay Name/Specification	Lot # 10015261
<b>PCR Amplification (20 kb Lambda DNA, Master Mix)</b> 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
<b>PCR Amplification (7 kb Human Genomic DNA, Master Mix)</b> 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
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in Q5® High-Fidelity PCR Kit and meet the designated specifications.	Pass

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



Vanessa Mathieu-Sheltry  
Production Scientist  
07 Jun 2018



Michael Tonello  
Packaging Quality Control Inspector  
12 Jul 2018