

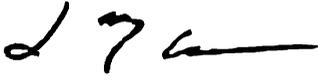
New England Biolabs Certificate of Analysis

Product Name: Q5[®] High-Fidelity PCR Kit
 Catalog Number: E0555S
 Lot Number: 10027135
 Expiration Date: 07/2020
 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
N0550AVIAL	Quick-Load [®] Purple 1 kb Plus DNA Ladder	10015398	Pass
M0492SVIAL	Q5 [®] High-Fidelity 2X Master Mix	10019698	Pass
B7024SVIAL	Gel Loading Dye, Purple (6X)	10018416	Pass
B1502AVIAL	Nuclease-free Water	10009166	Pass

Assay Name/Specification	Lot # 10027135
<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.



Lynne Apone
Production Scientist
25 Jul 2018



Michael Tonello
Packaging Quality Control Inspector
02 Nov 2018