

New England Biolabs Certificate of Analysis

Product Name: Q5[®] High-Fidelity PCR Kit
Catalog Number: E0555S
Packaging Lot Number: 10130706
Expiration Date: 09/2023
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	10125166	Pass
M0492SVIAL	Q5 [®] High-Fidelity 2X Master Mix	10122089	Pass
B7024SVIAL	Gel Loading Dye, Purple (6X)	10111603	Pass
B1502AVIAL	Nuclease-free Water	10121157	Pass

Assay Name/Specification	Lot # 10130706
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

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
10 Dec 2021

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
10 Dec 2021