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New England Biolabs Certificate of Analysis

Product Name: Q5® High-Fidelity PCR Kit

Catalog Number: E0555S
Packaging Lot Number: 10082196
Expiration Date: 11/2021
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	10072059	Pass	
B7024SVIAL	Gel Loading Dye, Purple (6X)	10059231	Pass	
B1502AVIAL	Nuclease-free Water	10072020	Pass	

Assay Name/Specification	Lot # 10082196
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
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

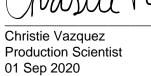
This product has been tested and shown to be in compliance with all specifications.

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Michael Voi

Michael Tonello Packaging Quality Control Inspector 01 Sep 2020