

New England Biolabs Certificate of Analysis

Product Name: Q5® High-Fidelity PCR Kit
Catalog Number: E0555S
Packaging Lot Number: 10228835
Expiration Date: 02/2026
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	10228839	Pass
M0492SVIAL	Q5® High-Fidelity 2X Master Mix	10228837	Pass
B7024SVIAL	Gel Loading Dye, Purple (6X)	10221113	Pass
B1502AVIAL	Nuclease-free Water	10201556	Pass

Assay Name/Specification	Lot # 10228835
<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
<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

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.



Vanessa Mathieu-Sheltry
Production Scientist
13 Mar 2024



Michael Tonello
Packaging Quality Control Inspector
14 Mar 2024