

New England Biolabs Certificate of Analysis

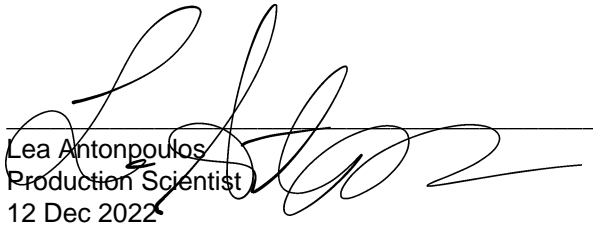
Product Name: LongAmp® Taq PCR Kit
 Catalog Number: E5200S
 Packaging Lot Number: 10180118
 Expiration Date: 12/2024
 Storage Temperature: -20°C
 Specification Version: PS-E5200S v1.0

LongAmp® Taq PCR Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0447SVIAL	Deoxynucleotide (dNTP) Solution Mix	10170507	Pass
M0323SVIAL	LongAmp® Taq DNA Polymerase	10175066	Pass
B1502AVIAL	Nuclease-free Water	10164121	Pass
B1003SVIAL	Magnesium Sulfate (MgSO ₄) Solution	10174353	Pass
B0323SVIAL	LongAmp® Taq Reaction Buffer	10161170	Pass

Assay Name/Specification	Lot # 10180118
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in LongAmp® Taq PCR Kit and meet the designated specifications.</p>	Pass
<p>PCR Amplification (30 kb Human Genomic DNA) A 25 µl reaction in LongAmp® Taq Reaction Buffer in the presence of 300 µM dNTPs and 0.4 µM primers containing 500 ng Human Genomic DNA with 2.5 units of LongAmp® Taq DNA Polymerase for 28 cycles of PCR amplification results in the expected 30 kb product.</p>	Pass
<p>PCR Amplification (30 kb Lambda DNA) A 25 µl reaction in LongAmp® Taq Reaction Buffer in the presence of 300 µM dNTPs and 0.4 µM primers containing 1 ng Lambda DNA with 2.5 units of LongAmp® Taq DNA Polymerase for 28 cycles of PCR amplification results in the expected 30 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.


Lea Antonopoulos
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12 Dec 2022


Josh Hersey
Packaging Quality Control Inspector
13 Feb 2023