

## New England Biolabs Certificate of Analysis

**Product Name:** LongAmp® Taq PCR Kit  
**Catalog Number:** E5200S  
**Packaging Lot Number:** 10147001  
**Expiration Date:** 12/2023  
**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	10136891	Pass
M0323SVIAL	LongAmp® Taq DNA Polymerase	10135574	Pass
B1502AVIAL	Nuclease-free Water	10139749	Pass
B1003SVIAL	Magnesium Sulfate (MgSO <sub>4</sub> ) Solution	10138586	Pass
B0323SVIAL	LongAmp® Taq Reaction Buffer	10142614	Pass

Assay Name/Specification	Lot # 10147001
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in LongAmp® Taq PCR Kit and meet the designated specifications.</p>	<b>Pass</b>
<p><b>PCR Amplification (30 kb Human Genomic DNA)</b> 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>	<b>Pass</b>
<p><b>PCR Amplification (30 kb Lambda DNA)</b> 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>	<b>Pass</b>

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](http://www.neb.com/trademarks) for additional information.

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06 Apr 2022

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