

## New England Biolabs Certificate of Analysis

Product Name: LongAmp® Taq PCR Kit  
 Catalog Number: E5200S  
 Packaging Lot Number: 10108304  
 Expiration Date: 01/2023  
 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	10096448	Pass
M0323SVIAL	LongAmp® Taq DNA Polymerase	10102887	Pass
B1502AVIAL	Nuclease-free Water	10104354	Pass
B1003SVIAL	Magnesium Sulfate (MgSO <sub>4</sub> ) Solution	10096258	Pass
B0323SVIAL	LongAmp® Taq Reaction Buffer	10092222	Pass

Assay Name/Specification	Lot # 10108304
<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>	Pass
<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>	Pass
<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>	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](http://www.neb.com/trademarks) for additional information.

*Christie Vazquez*

Christie Vazquez  
Production Scientist  
30 Apr 2021

*Josh Hersey*

Josh Hersey  
Packaging Quality Control Inspector  
30 Apr 2021