

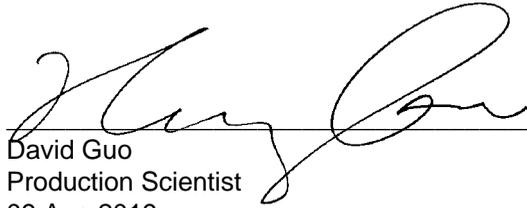
## New England Biolabs Certificate of Analysis

Product Name: LongAmp<sup>®</sup> Taq PCR Kit  
 Catalog Number: E5200S  
 Packaging Lot Number: 10052221  
 Expiration Date: 08/2021  
 Storage Temperature: -20°C  
 Specification Version: PS-E5200S v1.0

LongAmp <sup>®</sup> Taq PCR Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0447SVIAL	Deoxynucleotide (dNTP) Solution Mix	10050335	Pass
M0323SVIAL	LongAmp <sup>®</sup> Taq DNA Polymerase	10049392	Pass
B1502AVIAL	Nuclease-free Water	10053901	Pass
B1003SVIAL	Magnesium Sulfate (MgSO <sub>4</sub> ) Solution	10042724	Pass
B0323SVIAL	LongAmp <sup>®</sup> Taq Reaction Buffer	10042779	Pass

Assay Name/Specification	Lot # 10052221
<p><b>PCR Amplification (30 kb Human Genomic DNA)</b>            A 25 µl reaction in LongAmp<sup>®</sup> 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<sup>®</sup> Taq DNA Polymerase for 28 cycles of PCR amplification results in the expected 30 kb product.</p>	Pass
<p><b>PCR Amplification (30 kb Lambda DNA)</b>            A 25 µl reaction in LongAmp<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> Taq PCR Kit and meet the designated specifications.</p>	Pass

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



David Guo  
Production Scientist  
09 Aug 2019



Michael Tonello  
Packaging Quality Control Inspector  
24 Oct 2019