

## New England Biolabs Certificate of Analysis

**Product Name:** LongAmp<sup>®</sup> Taq PCR Kit  
**Catalog #:** E5200S  
**Kit Components:** LongAmp<sup>®</sup> Taq DNA Polymerase (M0323)  
 Deoxynucleotide (dNTP) Solution Mix (N0447)  
 LongAmp<sup>®</sup> Taq Reaction Buffer (B0323)  
 Magnesium Sulfate (MgSO<sub>4</sub>) Solution (B1003)  
 Nuclease-free Water (B1502)  
  
**Lot #:** 0411712  
**Assay Date:** 12/2017  
**Expiration Date:** 12/2019  
**Storage Temp:** -20°C  
**Specification Version:** PS-E5200S v1.0  
**Effective Date:** 17 Apr 2018

Assay Name/Specification (minimum release criteria)	Lot #0411712
<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.	<b>Pass</b>
<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.	<b>Pass</b>
<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.	<b>Pass</b>



Authorized by  
Derek Robinson  
17 Apr 2018



Inspected by  
Lynne Apone  
04 Dec 2017

