

New England Biolabs Certificate of Analysis

Product Name: LongAmp[®] Taq PCR Kit
 Catalog Number: E5200S
 Lot Number: 10024730
 Expiration Date: 07/2020
 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	10019484	Pass
M0323SVIAL	LongAmp [®] Taq DNA Polymerase	10023238	Pass
B1502AVIAL	Nuclease-free Water	10009166	Pass
B1003SVIAL	Magnesium Sulfate (MgSO ₄) Solution	0021701	Pass
B0323SVIAL	LongAmp [®] Taq Reaction Buffer	0051802	Pass

Assay Name/Specification	Lot # 10024730
<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
<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

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



Tony Spear-Alfonso
Production Scientist
24 Sep 2018



Michael Tonello
Packaging Quality Control Inspector
18 Oct 2018