

New England Biolabs Certificate of Analysis

Product Name: LongAmp® Taq PCR Kit
 Catalog Number: E5200S
 Lot Number: 10013129
 Expiration Date: 12/2019
 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	1001712	Pass
M0323SVIAL	LongAmp® Taq DNA Polymerase	0181712	Pass
B1502AVIAL	Nuclease-free Water	10009166	Pass
B1003SVIAL	Magnesium Sulfate (MgSO ₄) Solution	0021701	Pass
B0323SVIAL	LongAmp® Taq Reaction Buffer	0031706	Pass

Assay Name/Specification	Lot # 10013129
<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.



Lynne Apone
Production Scientist
21 Jun 2018



Michael Tonello
Packaging Quality Control Inspector
21 Jun 2018