

New England Biolabs Certificate of Analysis

Product Name: LongAmp[®] Taq PCR Kit
 Catalog Number: E5200S
 Lot Number: 10043958
 Expiration Date: 02/2021
 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 | 10033004 | Pass |
| M0323SVIAL | LongAmp [®] Taq DNA Polymerase | 10034810 | Pass |
| B1502AVIAL | Nuclease-free Water | 10046857 | Pass |
| B1003SVIAL | Magnesium Sulfate (MgSO ₄) Solution | 10042724 | Pass |
| B0323SVIAL | LongAmp [®] Taq Reaction Buffer | 0051802 | Pass |

| Assay Name/Specification | Lot # 10043958 |
|--|----------------|
| <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.



Doreen Duquette
Production Scientist
14 Feb 2019



Michael Tonello
Packaging Quality Control Inspector
13 Jun 2019