

## New England Biolabs Certificate of Analysis

Product Name: *Taq PCR Kit*  
 Catalog Number: *E5000S*  
 Packaging Lot Number: *10072101*  
 Expiration Date: *10/2021*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E5000S v2.0*

| Taq PCR Kit Component List |  |            |                      |
|----------------------------|--|------------|----------------------|
| NEB Part Number            | Component Description                            | Lot Number | Individual QC Result |
| N0550AVIAL                 | Quick-Load® Purple 1 kb Plus DNA Ladder          | 10057982   | Pass                 |
| N0447SVIAL                 | Deoxynucleotide (dNTP) Solution Mix              | 10069436   | Pass                 |
| M0273AVIAL                 | Taq DNA Polymerase with Standard Taq Buffer      | 10059618   | Pass                 |
| B9021SVIAL                 | Magnesium Chloride (MgCl <sub>2</sub> ) Solution | 10054951   | Pass                 |
| B9015SVIAL                 | Standard Taq (Mg-free) Reaction Buffer Pack      | 10033771   | Pass                 |
| B9014SVIAL                 | Standard Taq Reaction Buffer Pack                | 10067015   | Pass                 |

| Assay Name/Specification   | Lot # 10072101 |
|--|----------------|
| <p><b>PCR Amplification (5.0 kb Lambda DNA)</b><br/>           A 50 µl reaction in Standard Taq Reaction Buffer in the presence of 200 µM dNTPs and 0.2 µM primers containing 5 ng Lambda DNA with 1.25 units of Taq DNA Polymerase for 25 cycles of PCR amplification results in the expected 5.0 kb product.</p> | Pass           |
| <p><b>* Individual Product Component Note</b><br/>           Standard Quality Control Tests are performed for each component included in Taq PCR Kit and meet the designated specifications.</p>   | Pass           |

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

*Christie Vazquez*

Christie Vazquez  
Production Scientist  
14 Nov 2019

*Michael Tonello*

Michael Tonello  
Packaging Quality Control Inspector  
27 Mar 2020