

## New England Biolabs Certificate of Analysis

Product Name: Gibson Assembly<sup>®</sup> Master Mix  
 Catalog Number: E2611S  
 Packaging Lot Number: 10220818  
 Expiration Date: 10/2024  
 Storage Temperature: -20°C  
 Specification Version: PS-E2611S/L v1.0

| Gibson Assembly <sup>®</sup> Master Mix Component List |   |            |                      |
|--|---|------------|----------------------|
| NEB Part Number  | Component Description                   | Lot Number | Individual QC Result |
| N2611AVIAL   | NEBuilder <sup>®</sup> Positive Control | 10212946   | Pass                 |
| M5510AVIAL   | Gibson Assembly <sup>®</sup> Master Mix | 10208711   | Pass                 |

| Assay Name/Specification  | Lot # 10220818          |
|---|-------------------------|
| <p><b>* Individual Product Component Note</b><br/>           Standard Quality Control Tests are performed for each component included in Gibson Assembly<sup>®</sup> Master Mix and meet the designated specifications.</p> <p><b>Functional Testing (Gibson Assembly)</b><br/>           A 20 µl reaction containing 10 µl of 2X Gibson Assembly Master Mix and six 0.05 pmol fragments of pUC19 (five 400 bp fragments and one 2,780 bp fragment, each with a 40 bp overlap) is incubated at 50°C for 60 minutes. Transformation of NEB 5-alpha competent E. coli cells (NEB #C2987) with 2 µl of the master mix/fragment mixture yields greater than 100 white colonies on an ampicillin plate with IPTG/X-Gal after overnight incubation at 37°C.</p> | <p>Pass</p> <p>Pass</p> |

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

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14 Nov 2023



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