

## New England Biolabs Certificate of Analysis

Product Name: Gibson Assembly<sup>®</sup> Master Mix  
Catalog Number: E2611L  
Packaging Lot Number: 10182785  
Expiration Date: 03/2024  
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	10178424	Pass
M5510AAVIAL	Gibson Assembly <sup>®</sup> Master Mix	10178423	Pass

Assay Name/Specification	Lot # 10182785
<p><b>* Individual Product Component Note</b> 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> 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.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.

*Cathy Shea*

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02 Mar 2023

*Michael Tonello*

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03 Apr 2023