

## New England Biolabs Certificate of Analysis

**Product Name:** Gibson Assembly<sup>®</sup> Master Mix  
**Catalog Number:** E2611S  
**Packaging Lot Number:** 10098672  
**Expiration Date:** 12/2021  
**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	10088942	Pass
M5510AVIAL	Gibson Assembly <sup>®</sup> Master Mix	10088944	Pass

Assay Name/Specification	Lot # 10098672
<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.	<b>Pass</b>
<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.	<b>Pass</b>

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

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