

## New England Biolabs Certificate of Analysis

Product Name: Gibson Assembly® Master Mix  
 Catalog Number: E2611S  
 Packaging Lot Number: 10256839  
 Expiration Date: 07/2025  
 Storage Temperature: -20°C  
 Specification Version: PS-E2611S/L v2.0

Gibson Assembly® Master Mix Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N2611AVIAL	NEBuilder® Positive Control	10250113	Pass
M5510AVIAL	Gibson Assembly® Master Mix	10245968	Pass

Assay Name/Specification	Lot # 10256839
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in Gibson Assembly® 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.

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