

240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

## New England Biolabs Certificate of Analysis

Product Name:	Gibson Assembly® Master Mix
Catalog Number:	E2611S
Packaging Lot Number:	10236993
Expiration Date:	02/2025
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	10212946	Pass
M5510AVIAL	Gibson Assembly® Master Mix	10229799	Pass

Assay Name/Specification	Lot # 10236993
* Individual Product Component Note Standard Quality Control Tests are performed for each component included in Gibson Assembly® Master Mix and meet the designated specifications.	Pass
<b>Functional Testing (Gibson Assembly)</b> A 20 $\mu$ I reaction containing 10 $\mu$ I 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 $\mu$ I 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.	Pass

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 for additional information.





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Ana Egana Production Scientist 01 May 2024

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Talia Monkiewicz Packaging Quality Control Inspector 01 May 2024

