Gibson Assembly® Master Mix Component List

<table>
<thead>
<tr>
<th>NEB Part Number</th>
<th>Component Description</th>
<th>Lot Number</th>
<th>Individual QC Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>N2611AVIAL</td>
<td>NEBuilder® Positive Control</td>
<td>10067937</td>
<td>Pass</td>
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<tr>
<td>M5510AAVIAL</td>
<td>Gibson Assembly® Master Mix</td>
<td>10067933</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Functional Testing (Gibson Assembly)

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.

* Individual Product Component Note

Standard Quality Control Tests are performed for each component included in Gibson Assembly® Master Mix and meet the designated specifications.

This product has been tested and shown to be in compliance with all specifications.
Ana Egana  
Production Scientist  
19 May 2020

Jay Minichiello  
Packaging Quality Control Inspector  
19 May 2020