NEB® 5-alpha Competent E. coli (High Efficiency) 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>N3041AVIAL</td>
<td>pUC19 Vector</td>
<td>10017063</td>
<td>Pass</td>
</tr>
<tr>
<td>C2987HVIAL</td>
<td>NEB® 5-alpha Competent E. coli (High Efficiency)</td>
<td>10017081</td>
<td>Pass</td>
</tr>
<tr>
<td>B9020SVIAL</td>
<td>SOC Outgrowth Medium</td>
<td>10014577</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Assay Name/Specification | Lot # 10021340 | Result
---|---|---
Transformation Efficiency | Pass
Antibiotic Sensitivity (Ampicillin) | Pass
Antibiotic Sensitivity (Chloramphenicol) | Pass
Antibiotic Sensitivity (Kanamycin) | Pass
Antibiotic Sensitivity (Nitrofurantoin) | Pass
**Assay Name/Specification** | **Lot # 10021340**
--- | ---
incubation for 16 hours at 37°C. |  

**Antibiotic Sensitivity (Spectinomycin)**
15 µl of untransformed NEB® 5-alpha Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C. | Pass  

**Antibiotic Sensitivity (Streptomycin)**
15 µl of untransformed NEB® 5-alpha Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containing Streptomycin will not form colonies after incubation for 16 hours at 37°C. | Pass  

**Antibiotic Sensitivity (Tetracycline)**
15 µl of untransformed NEB® 5-alpha Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C. | Pass  

**Blue-White Screening (α-complementation, Competent Cells)**
NEB® 5-alpha Competent E. coli (High Efficiency) were shown to be suitable for blue/white screening by α-complementation of the β-galactosidase gene using pUC19. | Pass  

**Phage Resistance (ϕ 80)**
15 µl of untransformed NEB® 5-alpha Competent E. coli (High Efficiency) streaked onto a Rich Broth plate does not support plaque formation by phage ϕ 80 after incubation for 16 hours at 37°C. | Pass

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

Lixin An  
Production Scientist  
03 Aug 2018

Corey Rabeau  
Packaging Quality Control Inspector  
11 Sep 2018