### Assay Name/Specification (minimum release criteria)

<table>
<thead>
<tr>
<th>Assay Name/Specification</th>
<th>Lot #0271803</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Antibiotic Sensitivity (Ampicillin)</strong> - 15 µl of untransformed BL21 Competent E. coli streaked onto a Rich Broth plate containing Ampicillin will not form colonies after incubation for 16 hours at 37°C.</td>
<td>Pass</td>
</tr>
<tr>
<td><strong>Antibiotic Sensitivity (Chloramphenicol)</strong> - 15 µl of untransformed BL21 Competent E. coli streaked onto a Rich Broth plate containing Chloramphenicol will not form colonies after incubation for 16 hours at 37°C.</td>
<td>Pass</td>
</tr>
<tr>
<td><strong>Antibiotic Sensitivity (Kanamycin)</strong> - 15 µl of untransformed BL21 Competent E. coli streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at 37°C.</td>
<td>Pass</td>
</tr>
<tr>
<td><strong>Antibiotic Sensitivity (Spectinomycin)</strong> - 15 µl of untransformed BL21 Competent E. coli streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C.</td>
<td>Pass</td>
</tr>
<tr>
<td><strong>Antibiotic Sensitivity (Streptomycin)</strong> - 15 µl of untransformed BL21 Competent E. coli streaked onto a Rich Broth plate containing Streptomycin will not form colonies after incubation for 16 hours at 37°C.</td>
<td>Pass</td>
</tr>
<tr>
<td><strong>Antibiotic Sensitivity (Tetracycline)</strong> - 15 µl of untransformed BL21 Competent E. coli streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.</td>
<td>Pass</td>
</tr>
<tr>
<td><strong>Phage Resistance (Φ 80)</strong> - 15 µl of untransformed BL21 Competent E. coli streaked onto a Rich Broth plate does not support plaque formation by phage Φ 80 after incubation for 16 hours at 37°C.</td>
<td>Pass</td>
</tr>
<tr>
<td><strong>Transformation Efficiency</strong> - 50 µl of BL21 Competent E. coli cells were transformed with 100 pg of pUC19 DNA using the transformation protocol provided. Incubation overnight on LB-Ampicillin plates at 37°C resulted in &gt;1 x 10^7 cfu/µg of DNA.</td>
<td>Pass</td>
</tr>
</tbody>
</table>