

## New England Biolabs Certificate of Analysis

Product Name: BL21(DE3) Competent *E. coli*  
 Catalog Number: C2527I  
 Packaging Lot Number: 10088924  
 Expiration Date: 11/2021  
 Storage Temperature: -80°C  
 Specification Version: PS-C2527H/I v1.0


BL21(DE3) Competent <i>E. coli</i> Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10082933	Pass
C2527IVIAL	BL21(DE3) Competent <i>E. coli</i>	10077606	Pass
B9020SVIAL	SOC Outgrowth Medium	10085000	Pass

Assay Name/Specification	Lot # 10088924
<p><b>Transformation Efficiency</b>            50 µl of BL21(DE3) Competent <i>E. coli</i> 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<sup>7</sup> cfu/µg of DNA.</p>	Pass
<p><b>Phage Resistance (φ 80)</b>            15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate does not support plaque formation by phage φ 80 after incubation for 16 hours at 37°C.</p>	Pass
<p><b>Antibiotic Sensitivity (Tetracycline)</b>            15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.</p>	Pass
<p><b>Antibiotic Sensitivity (Streptomycin)</b>            15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Streptomycin will not form colonies after incubation for 16 hours at 37°C.</p>	Pass
<p><b>Antibiotic Sensitivity (Spectinomycin)</b>            15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at</p>	Pass

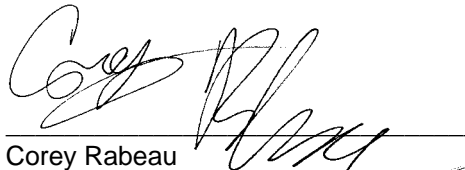
Assay Name/Specification	Lot # 10088924
<p>37°C.</p> <p><b>Antibiotic Sensitivity (Ampicillin)</b> 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Ampicillin will not form colonies after incubation for 16 hours at 37°C.</p>	<p><b>Pass</b></p>
<p><b>Antibiotic Sensitivity (Chloramphenicol)</b> 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Chloramphenicol will not form colonies after incubation for 16 hours at 37°C.</p>	<p><b>Pass</b></p>
<p><b>Antibiotic Sensitivity (Kanamycin)</b> 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at 37°C.</p>	<p><b>Pass</b></p>

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

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