

## New England Biolabs Certificate of Analysis

Product Name: BL21 Competent *E. coli*  
 Catalog Number: C2530H  
 Packaging Lot Number: 10115834  
 Expiration Date: 06/2022  
 Storage Temperature: -80°C  
 Specification Version: PS-C2530H v1.0

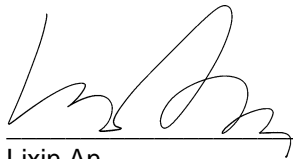
BL21 Competent <i>E. coli</i> Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10109274	Pass
C2530HVIAL	BL21 Competent <i>E. coli</i>	10100927	Pass
B9020SVIAL	SOC Outgrowth Medium	10099250	Pass

Assay Name/Specification	Lot # 10115834
<b>Antibiotic Sensitivity (Kanamycin)</b> 15 µl of untransformed BL21 Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at 37°C.	Pass
<b>Antibiotic Sensitivity (Chloramphenicol)</b> 15 µl of untransformed BL21 Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Chloramphenicol will not form colonies after incubation for 16 hours at 37°C.	Pass
<b>Antibiotic Sensitivity (Ampicillin)</b> 15 µl of untransformed BL21 Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Ampicillin will not form colonies after incubation for 16 hours at 37°C.	Pass
<b>Transformation Efficiency</b> 50 µl of BL21 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 >1 x 10 <sup>7</sup> cfu/µg of DNA.	Pass
<b>Phage Resistance (φ 80)</b> 15 µl of untransformed BL21 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.	Pass
<b>Antibiotic Sensitivity (Tetracycline)</b>	Pass

Assay Name/Specification	Lot # 10115834
<p>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.</p>	
<p><b>Antibiotic Sensitivity (Streptomycin)</b> 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.</p>	<b>Pass</b>
<p><b>Antibiotic Sensitivity (Spectinomycin)</b> 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.</p>	<b>Pass</b>

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

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