

## New England Biolabs Certificate of Analysis

**Product Name:** *BL21 Competent E. coli*  
**Catalog Number:** C2530H  
**Packaging Lot Number:** 10241289  
**Expiration Date:** 04/2025  
**Storage Temperature:** -80°C  
**Specification Version:** PS-C2530H v1.0

BL21 Competent E. coli Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10226553	Pass
C2530HVIAL	BL21 Competent E. coli	10206979	Pass
B9020SVIAL	SOC Outgrowth Medium	10202702	Pass

Assay Name/Specification	Lot # 10241289
<b>Antibiotic Sensitivity (Ampicillin)</b> 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.	<b>Pass</b>
<b>Antibiotic Sensitivity (Chloramphenicol)</b> 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.	<b>Pass</b>
<b>Antibiotic Sensitivity (Kanamycin)</b> 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.	<b>Pass</b>
<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.	<b>Pass</b>
<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.	<b>Pass</b>

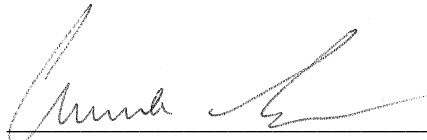
Assay Name/Specification	Lot # 10241289
<p><b>Antibiotic Sensitivity (Tetracycline)</b> 15 µl of untransformed BL21 Competent E. coli streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.</p>	<b>Pass</b>
<p><b>Phage Resistance (φ 80)</b> 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.</p>	<b>Pass</b>
<p><b>Transformation Efficiency</b> 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<sup>7</sup> cfu/µg of DNA.</p>	<b>Pass</b>

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

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Chris Blanchette  
Production Scientist  
01 Dec 2023



Anna Sorensen  
Packaging Quality Control Inspector  
30 Apr 2024