

New England Biolabs Certificate of Analysis

Product Name: *BL21 Competent E. coli*
 Catalog Number: C2530H
 Packaging Lot Number: 10133313
 Expiration Date: 12/2022
 Storage Temperature: -80°C
 Specification Version: PS-C2530H v1.0

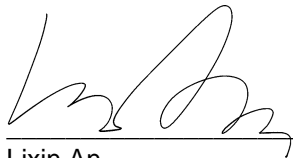
BL21 Competent E. coli Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10119396	Pass
C2530HVIAL	BL21 Competent E. coli	10119558	Pass
B9020SVIAL	SOC Outgrowth Medium	10107490	Pass

Assay Name/Specification	Lot # 10133313
Phage Resistance (ϕ 80) 15 μ l 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.	Pass
Transformation Efficiency 50 μ l 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 $>1 \times 10^7$ cfu/ μ g of DNA.	Pass
Antibiotic Sensitivity (Kanamycin) 15 μ l 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.	Pass
Antibiotic Sensitivity (Chloramphenicol) 15 μ l 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.	Pass
Antibiotic Sensitivity (Ampicillin) 15 μ l 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.	Pass
Antibiotic Sensitivity (Tetracycline)	Pass

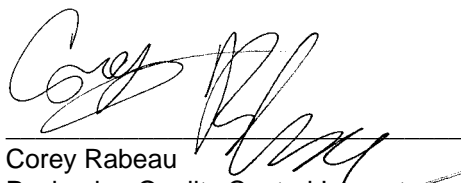
Assay Name/Specification	Lot # 10133313
<p>15 µl of untransformed BL21 Competent E. coli streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.</p>	
<p>Antibiotic Sensitivity (Streptomycin) 15 µl of untransformed BL21 Competent E. coli streaked onto a Rich Broth plate containing Streptomycin will not form colonies after incubation for 16 hours at 37°C.</p>	Pass
<p>Antibiotic Sensitivity (Spectinomycin) 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>	Pass

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



Lixin An
Production Scientist
15 Dec 2021



Corey Rabeau
Packaging Quality Control Inspector
15 Dec 2021