

New England Biolabs Certificate of Analysis

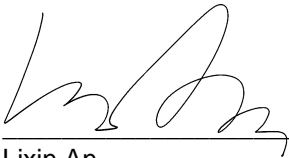
Product Name: BL21 Competent *E. coli*
 Catalog Number: C2530H
 Lot Number: 10056805
 Expiration Date: 09/2020
 Storage Temperature: -80°C
 Specification Version: PS-C2530H v1.0

BL21 Competent <i>E. coli</i> Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10047676	Pass
C2530HVIAL	BL21 Competent <i>E. coli</i>	10045147	Pass
B9020SVIAL	SOC Outgrowth Medium	10048120	Pass

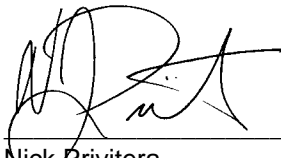
Assay Name/Specification	Lot # 10056805
Antibiotic Sensitivity (Spectinomycin) 15 µl of untransformed BL21 Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Sensitivity (Streptomycin) 15 µl of untransformed BL21 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.	Pass
Antibiotic Sensitivity (Tetracycline) 15 µl of untransformed BL21 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.	Pass
Phage Resistance (φ 80) 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
Transformation Efficiency 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 ⁷ cfu/µg of DNA.	Pass

Assay Name/Specification	Lot # 10056805
<p>Antibiotic Sensitivity (Ampicillin) 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.</p>	Pass
<p>Antibiotic Sensitivity (Chloramphenicol) 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.</p>	Pass
<p>Antibiotic Sensitivity (Kanamycin) 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.</p>	Pass

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



Lixin An
Production Scientist
31 May 2019



Nick Privitera
Packaging Quality Control Inspector
27 Sep 2019