

New England Biolabs Certificate of Analysis

Product Name: BL21 Competent *E. coli*
 Catalog Number: C2530H
 Packaging Lot Number: 10119154
 Expiration Date: 08/2022
 Storage Temperature: -80°C
 Specification Version: PS-C2530H v1.0

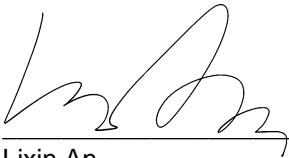
BL21 Competent <i>E. coli</i> Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10115609	Pass
C2530HVIAL	BL21 Competent <i>E. coli</i>	10100927	Pass
B9020SVIAL	SOC Outgrowth Medium	10099256	Pass

Assay Name/Specification	Lot # 10119154
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
Antibiotic Sensitivity (Ampicillin) 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
Antibiotic Sensitivity (Chloramphenicol) 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

Assay Name/Specification	Lot # 10119154
<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
<p>Transformation Efficiency 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 >1 x 10⁷ cfu/µg of DNA.</p>	Pass
<p>Phage Resistance (φ 80) 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>	Pass

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

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Production Scientist
16 Aug 2021



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Packaging Quality Control Inspector
16 Aug 2021