

New England Biolabs Certificate of Analysis

Product Name: BL21(DE3) Competent *E. coli*
 Catalog Number: C2527H
 Packaging Lot Number: 10103381
 Expiration Date: 03/2022
 Storage Temperature: -80°C
 Specification Version: PS-C2527H/I v1.0


BL21(DE3) Competent <i>E. coli</i> Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10095954	Pass
C2527HVIAL	BL21(DE3) Competent <i>E. coli</i>	10095948	Pass
B9020SVIAL	SOC Outgrowth Medium	10093858	Pass

Assay Name/Specification	Lot # 10103381
<p>Transformation Efficiency 50 µl of BL21(DE3) 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 10⁷ cfu/µg of DNA.</p>	Pass
<p>Phage Resistance (φ 80) 15 µl of untransformed BL21(DE3) 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.</p>	Pass
<p>Antibiotic Sensitivity (Tetracycline) 15 µl of untransformed BL21(DE3) 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.</p>	Pass
<p>Antibiotic Sensitivity (Streptomycin) 15 µl of untransformed BL21(DE3) 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.</p>	Pass
<p>Antibiotic Sensitivity (Spectinomycin) 15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at</p>	Pass

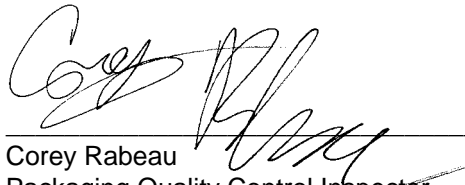
Assay Name/Specification	Lot # 10103381
<p>37°C.</p> <p>Antibiotic Sensitivity (Kanamycin) 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at 37°C.</p>	<p>Pass</p>
<p>Antibiotic Sensitivity (Chloramphenicol) 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Chloramphenicol will not form colonies after incubation for 16 hours at 37°C.</p>	<p>Pass</p>
<p>Antibiotic Sensitivity (Ampicillin) 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Ampicillin will not form colonies after incubation for 16 hours at 37°C.</p>	<p>Pass</p>

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

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Production Scientist
19 Mar 2021



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