

## New England Biolabs Certificate of Analysis

Product Name: BL21(DE3) Competent E. coli

 Catalog #:
 C2527H/I

 Lot #:
 1031712

 Assay Date:
 12/2017

 Expiration Date:
 12/2018

 Storage Temp:
 -80°C

Specification Version: PS-C2527H/I v1.0
Effective Date: 01 Dec 2017

Assay Name/Specification (minimum release criteria)	Lot #1031712
Antibiotic Sensitivity (Ampicillin) - 15 µl of untransformed BL21(DE3) 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
<b>Antibiotic Sensitivity (Chloramphenicol)</b> - 15 μl of untransformed BL21(DE3) 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
Antibiotic Sensitivity (Kanamycin) - 15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at 37°C.	Pass
<b>Antibiotic Sensitivity (Spectinomycin)</b> - 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 37°C.	Pass
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.	Pass
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.	Pass
Phage Resistance ( $\Phi$ 80) - 15 $\mu$ l of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate does not support plaque formation by phage $\Phi$ 80 after incubation for 16 hours at 37°C.	Pass
<b>Transformation Efficiency</b> - 50 $\mu$ l 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 10e7 cfu/ $\mu$ g of DNA.	Pass

Authorized by
Tony Spear-Alfonso

01 Dec 2017

nqa.
ISO 9001
Registered
Quality





Inspected by Lixin An 13 Dec 2017