

New England Biolabs Certificate of Analysis

Product Name: BL21(DE3) Competent *E. coli*
Catalog Number: C2527H
Packaging Lot Number: 10076325
Expiration Date: 05/2021
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 | 10066466 | Pass |
| C2527HVIAL | BL21(DE3) Competent <i>E. coli</i> | 10064621 | Pass |
| B9020SVIAL | SOC Outgrowth Medium | 10062392 | Pass |

| Assay Name/Specification | Lot # 10076325 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 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 |
| Antibiotic Sensitivity (Chloramphenicol) 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 |
| 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 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 |

| Assay Name/Specification | Lot # 10076325 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <p>Antibiotic Sensitivity (Tetracycline) 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.</p> | Pass |
| <p>Phage Resistance (φ 80) 15 µl of untransformed BL21(DE3) 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 |
| <p>Transformation Efficiency 50 µl of BL21(DE3) 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 |

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



Lixin An
Production Scientist
03 Jun 2020



Nick Privitera
Packaging Quality Control Inspector
03 Jun 2020