

New England Biolabs Certificate of Analysis

Product Name: *BL21(DE3) Competent E. coli*
 Catalog Number: C2527H
 Packaging Lot Number: 10084380
 Expiration Date: 09/2021
 Storage Temperature: -80°C
 Specification Version: PS-C2527H/I v1.0


| BL21(DE3) Competent E. coli Component List | | | |
|--|-----------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N3041AVIAL | pUC19 Vector | 10078142 | Pass |
| C2527HVIAL | BL21(DE3) Competent E. coli | 10078732 | Pass |
| B9020SVIAL | SOC Outgrowth Medium | 10079017 | Pass |

| Assay Name/Specification | Lot # 10084380 |
|---|----------------|
| Antibiotic Sensitivity (Streptomycin) 15 µl of untransformed BL21(DE3) Competent E. coli 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 E. coli 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(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. | Pass |
| Antibiotic Sensitivity (Spectinomycin) 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C. | Pass |
| 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. | Pass |

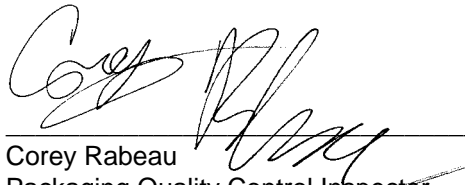
| Assay Name/Specification | Lot # 10084380 |
|---|----------------|
| <p>Antibiotic Sensitivity (Chloramphenicol) 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Chloramphenicol will not form colonies after incubation for 16 hours at 37°C.</p> | Pass |
| <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 |
| <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> | Pass |

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

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Lixin An
Production Scientist
14 Sep 2020



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Packaging Quality Control Inspector
14 Sep 2020