

New England Biolabs Certificate of Analysis

Product Name: BL21 Competent *E. coli*
Catalog Number: C2530H
Packaging Lot Number: 10273613
Expiration Date: 01/2026
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 | 10262917 | Pass |
| C2530HVIAL | BL21 Competent <i>E. coli</i> | 10243432 | Pass |
| B9020SVIAL | SOC Outgrowth Medium | 10236149 | Pass |

| Assay Name/Specification | Lot # 10273613 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 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 |
| Antibiotic Sensitivity (Kanamycin) 15 µl of untransformed BL21 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 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 |

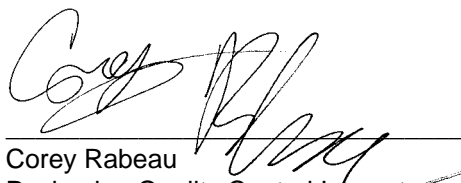
| Assay Name/Specification | Lot # 10273613 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <p>Antibiotic Sensitivity (Tetracycline) 15 µl of untransformed BL21 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 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 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 10e7 cfu/µg of DNA.</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 Jun 2024



Corey Rabeau
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08 Jan 2025