

New England Biolabs Certificate of Analysis

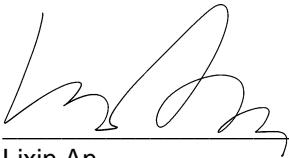
Product Name: NiCo21(DE3) Competent *E. coli*
 Catalog Number: C2529H
 Lot Number: 10012784
 Expiration Date: 05/2019
 Storage Temperature: -80°C
 Specification Version: PS-C2529H v1.0

| NiCo21(DE3) Competent <i>E. coli</i> Component List | | | |
|---|--------------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N3041AVIAL | pUC19 Vector | 10010689 | Pass |
| C2529HVIAL | NiCo21(DE3) Competent <i>E. coli</i> | 10009045 | Pass |
| B9020SVIAL | SOC Outgrowth Medium | 5631804 | Pass |

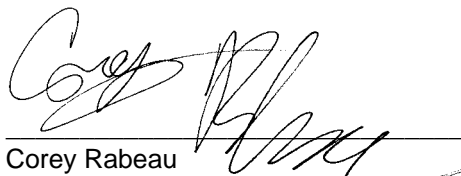
| Assay Name/Specification | Lot # 10012784 |
|---|----------------|
| <p>Phage Resistance (ϕ 80) 15 μl of untransformed NiCo21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate does not support plaque formation by phage ϕ 80 after incubation for 16 hours at 37°C.</p> | Pass |
| <p>Transformation Efficiency 50 μl of NiCo21(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 $>1 \times 10^7$ cfu/μg of DNA.</p> | Pass |
| <p>Antibiotic Sensitivity (Spectinomycin) 15 μl of untransformed NiCo21(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.</p> | Pass |
| <p>Antibiotic Sensitivity (Streptomycin) 15 μl of untransformed NiCo21(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 (Kanamycin) 15 μl of untransformed NiCo21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at</p> | Pass |

| Assay Name/Specification | Lot # 10012784 |
|--|--------------------|
| <p>37°C.</p> <p>Antibiotic Sensitivity (Tetracycline) 15 µl of untransformed NiCo21(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> | <p>Pass</p> |
| <p>Antibiotic Sensitivity (Chloramphenicol) 15 µl of untransformed NiCo21(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 NiCo21(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.



Lixin An
Production Scientist
20 Jun 2018



Corey Rabeau
Packaging Quality Control Inspector
20 Jun 2018