

## New England Biolabs Certificate of Analysis

Product Name: *NiCo21(DE3) Competent E. coli*  
 Catalog Number: C2529H  
 Packaging Lot Number: 10140751  
 Expiration Date: 02/2023  
 Storage Temperature: -80°C  
 Specification Version: PS-C2529H v1.0

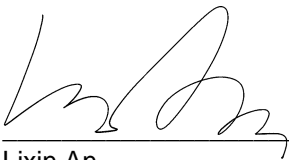
NiCo21(DE3) Competent E. coli Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10129358	Pass
C2529HVIAL	NiCo21(DE3) Competent E. coli	10114211	Pass
B9020SVIAL	SOC Outgrowth Medium	10125547	Pass

Assay Name/Specification	Lot # 10140751
<p><b>Phage Resistance (<math>\phi</math> 80)</b>            15 <math>\mu</math>l of untransformed NiCo21(DE3) Competent E. coli streaked onto a Rich Broth plate does not support plaque formation by phage <math>\phi</math> 80 after incubation for 16 hours at 37°C.</p>	Pass
<p><b>Transformation Efficiency</b>            50 <math>\mu</math>l of NiCo21(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 <math>&gt;1 \times 10^7</math> cfu/<math>\mu</math>g of DNA.</p>	Pass
<p><b>Antibiotic Sensitivity (Chloramphenicol)</b>            15 <math>\mu</math>l 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>	Pass
<p><b>Antibiotic Sensitivity (Ampicillin)</b>            15 <math>\mu</math>l 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>	Pass
<p><b>Antibiotic Sensitivity (Kanamycin)</b>            15 <math>\mu</math>l of untransformed NiCo21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at</p>	Pass

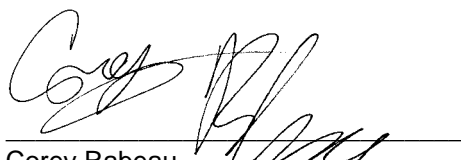
Assay Name/Specification	Lot # 10140751
<p>37°C.</p> <p><b>Antibiotic Sensitivity (Streptomycin)</b> 15 µl of untransformed NiCo21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Streptomycin will not form colonies after incubation for 16 hours at 37°C.</p>	<b>Pass</b>
<p><b>Antibiotic Sensitivity (Spectinomycin)</b> 15 µl of untransformed NiCo21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C.</p>	<b>Pass</b>
<p><b>Antibiotic Sensitivity (Tetracycline)</b> 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>	<b>Pass</b>

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

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10 Feb 2022



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