

New England Biolabs Certificate of Analysis

Product Name: *NiCo21(DE3) Competent E. coli*
 Catalog Number: C2529H
 Lot Number: 10035219
 Expiration Date: 01/2020
 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	10032414	Pass
C2529HVIAL	NiCo21(DE3) Competent E. coli	10017412	Pass
B9020SVIAL	SOC Outgrowth Medium	10025234	Pass

Assay Name/Specification	Lot # 10035219
Phage Resistance (ϕ 80) 15 μ l of untransformed NiCo21(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
Transformation Efficiency 50 μ 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 $>1 \times 10^7$ cfu/ μ g of DNA.	Pass
Antibiotic Sensitivity (Ampicillin) 15 μ 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.	Pass
Antibiotic Sensitivity (Chloramphenicol) 15 μ 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.	Pass
Antibiotic Sensitivity (Kanamycin) 15 μ 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	Pass

Assay Name/Specification	Lot # 10035219
<p>37°C.</p> <p>Antibiotic Sensitivity (Spectinomycin) 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>	Pass
<p>Antibiotic Sensitivity (Streptomycin) 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>	Pass
<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>	Pass

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

Chris Blanchette
Production Scientist
07 Sep 2018



Corey Rabeau
Packaging Quality Control Inspector
22 Jan 2019