

New England Biolabs Certificate of Analysis

Product Name: NiCo21(DE3) Competent *E. coli*
 Catalog #: C2529H
 Lot #: 0131710
 Assay Date: 10/2017
 Expiration Date: 10/2018
 Storage Temp: -80°C
 Specification Version: PS-C2529H v1.0
 Effective Date: 13 Dec 2016

Assay Name/Specification (minimum release criteria)	Lot #0131710
Antibiotic Sensitivity (Ampicillin) - 15 µl of untransformed NiCo21(DE3) 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 NiCo21(DE3) 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 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 37°C.	Pass
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.	Pass
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.	Pass
Antibiotic Sensitivity (Tetracycline) - 15 µl of untransformed NiCo21(DE3) Competent <i>E. coli</i> 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 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.	Pass
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 x 10 ⁷ cfu/µg of DNA.	Pass



Authorized by
Derek Robinson
13 Dec 2016



Inspected by
Lixin An
18 Oct 2017

