

New England Biolabs Certificate of Analysis

Product Name: *Lemo21(DE3) Competent E. coli*
 Catalog Number: C2528J
 Packaging Lot Number: 10094881
 Expiration Date: 12/2021
 Storage Temperature: -80°C
 Specification Version: PS-C2528J v2.0

Lemo21(DE3) Competent E. coli Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10088620	Pass
C2528JVIAL	Lemo21(DE3) Competent E. coli	10082031	Pass
B9030AVIAL	L-rhamnose solution	10082541	Pass

Assay Name/Specification	Lot # 10094881
Antibiotic Sensitivity (Ampicillin) 15 µl of untransformed Lemo21(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 (Kanamycin) 15 µl of untransformed Lemo21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Resistance (Chloramphenicol) 15 µl of untransformed Lemo21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Chloramphenicol will form colonies after incubation for 16 hours at 37°C.	Pass
Transformation Efficiency 50 µl of Lemo21(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 x 10 ⁷ cfu/µg of DNA.	Pass
Phage Resistance (φ 80) 15 µl of untransformed Lemo21(DE3) Competent E. coli streaked onto a Rich Broth plate does not support plaque formation by phage φ 80 after incubation for 16 hours	Pass

Assay Name/Specification	Lot # 10094881
<p>at 37°C.</p> <p>Antibiotic Sensitivity (Tetracycline) 15 µl of untransformed Lemo21(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
<p>Antibiotic Sensitivity (Streptomycin) 15 µl of untransformed Lemo21(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 (Spectinomycin) 15 µl of untransformed Lemo21(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

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

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Production Scientist
23 Dec 2020



Nick Privitera
Packaging Quality Control Inspector
23 Dec 2020