

New England Biolabs Certificate of Analysis

Product Name: Lemo21(DE3) Competent *E. coli*
Catalog Number: C2528J
Packaging Lot Number: 10120006
Expiration Date: 07/2022
Storage Temperature: -80°C
Specification Version: PS-C2528J v2.0

Lemo21(DE3) Competent <i>E. coli</i> Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10115609	Pass
C2528JVIAL	Lemo21(DE3) Competent <i>E. coli</i>	10094709	Pass
B9030AVIAL	L-rhamnose solution	10113570	Pass

Assay Name/Specification	Lot # 10120006
Phage Resistance (ϕ 80) 15 μ l of untransformed Lemo21(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 μ l of Lemo21(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/ μ g of DNA.	Pass
Antibiotic Resistance (Chloramphenicol) 15 μ l of untransformed Lemo21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Chloramphenicol will form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Sensitivity (Kanamycin) 15 μ l of untransformed Lemo21(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 (Ampicillin) 15 μ l of untransformed Lemo21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Ampicillin will not form colonies after incubation for 16 hours at	Pass

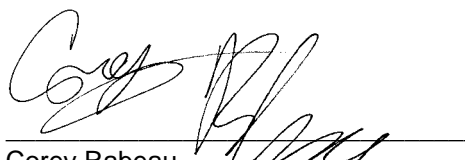
Assay Name/Specification	Lot # 10120006
<p>37°C.</p> <p>Antibiotic Sensitivity (Spectinomycin) 15 µl of untransformed Lemo21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C.</p>	Pass
<p>Antibiotic Sensitivity (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

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



Lixin An
Production Scientist
31 Aug 2021



Corey Rabeau
Packaging Quality Control Inspector
31 Aug 2021