

be INSPIRED drive DISCOVERY stay GENUINE

240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

New England Biolabs Certificate of Analysis

Product Name:	Lemo21(DE3) Competent E. coli
Catalog Number:	C2528J
Lot Number:	10053708
Expiration Date:	07/2020
Storage Temperature:	-80°C
Specification Version:	PS-C2528H v1.0

Lemo21(DE3) Competent E. coli Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
N3041AVIAL	pUC19 Vector	10047676	Pass	
C2528JVIAL	Lemo21(DE3) Competent E. coli	10048110	Pass	
B9030AVIAL	L-rhamnose solution	10033831	Pass	

Assay Name/Specification	Lot # 10053708
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 at 37°C.	Pass
Transformation Efficiency 50 μ l 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 10e7 cfu/ μ g of DNA.	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
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	Pass





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Assay Name/Specification	Lot # 10053708
37°C.	
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.	Pass
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.	Pass
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.	Pass

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

Lixin An Production Scientist 02 Jul 2019

Corey Rabeau

Packaging Quality Control Inspector 19 Aug 2019

