

New England Biolabs Certificate of Analysis

Product Name: *NEB® Express Competent E. coli (High Efficiency)*
 Catalog Number: *C2523H*
 Packaging Lot Number: *10058653*
 Expiration Date: *08/2021*
 Storage Temperature: *-80°C*
 Specification Version: *PS-C2523H/I v1.0*

NEB® Express Competent E. coli (High Efficiency) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10053503	Pass
C2523HVIAL	NEB® Express Competent E. coli (High Efficiency)	10051910	Pass
B9020SVIAL	SOC Outgrowth Medium	10048123	Pass

Assay Name/Specification	Lot # 10058653
Antibiotic Resistance (Nitrofurantoin) 15 µl of untransformed NEB Express Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containing Nitrofurantoin will form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Sensitivity (Ampicillin) 15 µl of untransformed NEB Express Competent E. coli (High Efficiency) 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 NEB Express Competent E. coli (High Efficiency) 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 NEB Express Competent E. coli (High Efficiency) 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 NEB Express Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation	Pass

Assay Name/Specification	Lot # 10058653
<p>for 16 hours at 37°C.</p> <p>Antibiotic Sensitivity (Streptomycin) 15 µl of untransformed NEB Express Competent E. coli (High Efficiency) 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 NEB Express Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.</p>	Pass
<p>Phage Resistance (φ 80) 15 µl of untransformed NEB Express Competent E. coli (High Efficiency) streaked onto a Rich Broth plate does not support plaque formation by phage φ 80 after incubation for 16 hours at 37°C.</p>	Pass
<p>Transformation Efficiency 50 µl of NEB Express Competent E. coli (High Efficiency) 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 >0.6 x 10⁹ cfu/µg of DNA.</p>	Pass

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



Lixin An
Production Scientist
23 Aug 2019



Nick Privitera
Packaging Quality Control Inspector
23 Oct 2019