

New England Biolabs Certificate of Analysis

Product Name: NEB[®] Express Competent *E. coli* (High Efficiency)
Catalog Number: C2523I
Lot Number: 10012782
Expiration Date: 05/2020
Storage Temperature: -80°C
Specification Version: PS-C2523H/I v1.0

NEB [®] Express Competent <i>E. coli</i> (High Efficiency) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10010689	Pass
C2523IVIAL	NEB [®] Express Competent <i>E. coli</i> (High Efficiency)	10009049	Pass
B9020SVIAL	SOC Outgrowth Medium	5691805	Pass

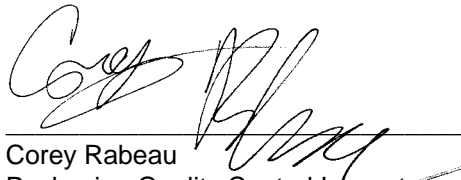
Assay Name/Specification	Lot # 10012782
Phage Resistance (ϕ 80) 15 μ l of untransformed NEB Express Competent <i>E. coli</i> (High Efficiency) streaked onto a Rich Broth plate does not support plaque formation by phage ϕ 80 after incubation for 16 hours at 37°C.	Pass
Transformation Efficiency 50 μ l of NEB Express Competent <i>E. coli</i> (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 $>0.6 \times 10^9$ cfu/ μ g of DNA.	Pass
Antibiotic Sensitivity (Streptomycin) 15 μ l of untransformed NEB Express Competent <i>E. coli</i> (High Efficiency) 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 μ l of untransformed NEB Express Competent <i>E. coli</i> (High Efficiency) streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Sensitivity (Spectinomycin) 15 μ l of untransformed NEB Express Competent <i>E. coli</i> (High Efficiency) streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation	Pass

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<p>for 16 hours at 37°C.</p> <p>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.</p>	Pass
<p>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.</p>	Pass
<p>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.</p>	Pass
<p>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.</p>	Pass

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



Lixin An
Production Scientist
18 Jun 2018



Corey Rabeau
Packaging Quality Control Inspector
18 Jun 2018