

New England Biolabs Certificate of Analysis

Product Name: T7 Express Competent *E. coli* (High Efficiency)
Catalog Number: C2566I
Lot Number: 10054062
Expiration Date: 06/2021
Storage Temperature: -80°C
Specification Version: PS-C2566H/I v1.0

T7 Express Competent <i>E. coli</i> (High Efficiency) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10047676	Pass
C2566IVIAL	T7 Express Competent <i>E. coli</i> (High Efficiency)	10035598	Pass
B9020SVIAL	SOC Outgrowth Medium	10048115	Pass

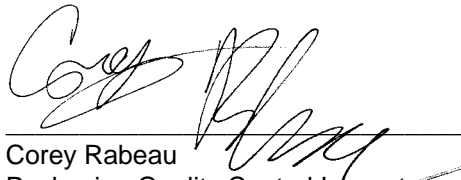
Assay Name/Specification	Lot # 10054062
<p>Transformation Efficiency 50 µl of T7 Express Competent <i>E. coli</i> (High Efficiency) cells were transformed with 100 pg of pUC19 DNA using the transformation protocol provided. Incubation overnight on LB-Ampicillin plates at 37°C resulted in >0.6 x 10e9 cfu/µg of DNA.</p>	Pass
<p>Phage Resistance (φ 80) 15 µl of untransformed T7 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.</p>	Pass
<p>Antibiotic Resistance (Nitrofurantoin) 15 µl of untransformed T7 Express Competent <i>E. coli</i> (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 (Ampicillin) 15 µl of untransformed T7 Express Competent <i>E. coli</i> (High Efficiency) streaked onto a Rich Broth plate containing Ampicillin will not form colonies after incubation for 16 hours at 37°C.</p>	Pass
<p>Antibiotic Sensitivity (Chloramphenicol) 15 µl of untransformed T7 Express Competent <i>E. coli</i> (High Efficiency) streaked onto a Rich Broth plate containing Chloramphenicol will not form colonies after</p>	Pass

Assay Name/Specification	Lot # 10054062
incubation for 16 hours at 37°C.	
<p>Antibiotic Sensitivity (Kanamycin) 15 µl of untransformed T7 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 (Spectinomycin) 15 µl of untransformed T7 Express Competent E. coli (High Efficiency) 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 (Streptomycin) 15 µl of untransformed T7 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 T7 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

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



Lixin An
Production Scientist
27 Jun 2019



Corey Rabeau
Packaging Quality Control Inspector
20 Aug 2019