

New England Biolabs Certificate of Analysis

Product Name: T7 Express lysY Competent *E. coli* (High Efficiency)
Catalog Number: C3010I
Lot Number: 10040630
Expiration Date: 03/2021
Storage Temperature: -80°C
Specification Version: PS-C3010I v1.0

T7 Express lysY Competent <i>E. coli</i> (High Efficiency) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
C3010IVIAL	T7 Express lysY Competent <i>E. coli</i> (High Efficiency)	10009041	Pass

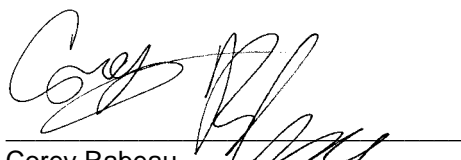
Assay Name/Specification	Lot # 10040630
Transformation Efficiency 50 µl of T7 Express lysY Competent <i>E. coli</i> (High Efficiency) cells were transformed with 100 pg of pUC19 DNA using the transformation protocol provided. Incubation overnight on LB-Ampicillin plates at 37°C resulted in >0.6 x 10 ⁹ cfu/µg of DNA.	Pass
Phage Resistance (φ 80) 15 µl of untransformed T7 Express lysY 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
Antibiotic Resistance (Chloramphenicol) 15 µl of untransformed T7 Express lysY Competent <i>E. coli</i> (High Efficiency) streaked onto a Rich Broth plate containing Chloramphenicol will form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Resistance (Nitrofurantoin) 15 µl of untransformed T7 Express lysY 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.	Pass
Antibiotic Sensitivity (Ampicillin) 15 µl of untransformed T7 Express lysY 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.	Pass

Assay Name/Specification	Lot # 10040630
<p>Antibiotic Sensitivity (Kanamycin) 15 µl of untransformed T7 Express lysY 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 lysY 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 lysY 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 lysY 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
25 Mar 2019



Corey Rabeau
Packaging Quality Control Inspector
25 Mar 2019