

New England Biolabs Certificate of Analysis


Product Name: T7 Express lysY/lq Competent *E. coli* (High Efficiency)
Catalog Number: C3013I
Lot Number: 10052882
Expiration Date: 08/2021
Storage Temperature: -80°C
Specification Version: PS-C3013I v1.0

T7 Express lysY/lq Competent <i>E. coli</i> (High Efficiency) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
C3013IVIAL	T7 Express lysY/lq Competent <i>E. coli</i> (High Efficiency)	10040316	Pass

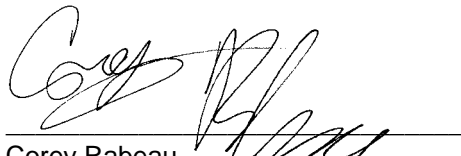
Assay Name/Specification	Lot # 10052882
Phage Resistance (ϕ 80) 15 μ l of untransformed T7 Express lysY/lq Competent <i>E. coli</i> (High Efficiency) streaked onto a Rich Broth plate does not support plaque formation by phage ϕ 80 after incubation for 16 hours at 37°C.	Pass
Transformation Efficiency 50 μ l of T7 Express lysY/lq 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 Resistance (Chloramphenicol) 15 μ l of untransformed T7 Express lysY/lq 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 μ l of untransformed T7 Express lysY/lq 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 μ l of untransformed T7 Express lysY/lq 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 # 10052882
<p>Antibiotic Sensitivity (Kanamycin) 15 µl of untransformed T7 Express lysY/lq 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/lq 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/lq 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/lq 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
16 Apr 2019



Corey Rabeau
Packaging Quality Control Inspector
13 Aug 2019