

New England Biolabs Certificate of Analysis

Product Name: T7 Express Competent *E. coli* (High Efficiency)
Catalog Number: C2566I
Packaging Lot Number: 10272169
Expiration Date: 11/2026
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	10262917	Pass
C2566IVIAL	T7 Express Competent <i>E. coli</i> (High Efficiency)	10164806	Pass
B9020SVIAL	SOC Outgrowth Medium	10244345	Pass

Assay Name/Specification	Lot # 10272169
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.	Pass
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.	Pass
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 incubation for 16 hours at 37°C.	Pass
Antibiotic Sensitivity (Kanamycin) 15 µl of untransformed T7 Express Competent <i>E. coli</i> (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 T7 Express Competent <i>E. coli</i> (High Efficiency) streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation	Pass

Assay Name/Specification	Lot # 10272169
<p>for 16 hours at 37°C.</p> <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
<p>Phage Resistance (φ 80) 15 µl of untransformed T7 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 T7 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 10e9 cfu/µg of DNA.</p>	Pass

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



Chris Blanchette
Production Scientist
15 Nov 2024



Nick Privitera
Packaging Quality Control Inspector
16 Dec 2024