

## New England Biolabs Certificate of Analysis

Product Name: T7 Express Competent *E. coli* (High Efficiency)  
 Catalog #: C2566H/I  
 Lot #: 0281801  
 Assay Date: 01/2018  
 Expiration Date: 01/2020  
 Storage Temp: -80°C  
 Specification Version: PS-C2566H/I v1.0  
 Effective Date: 16 Oct 2017

Assay Name/Specification (minimum release criteria)	Lot #0281801
<b>Antibiotic Resistance (Nitrofurantoin)</b> - 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.	<b>Pass</b>
<b>Antibiotic Sensitivity (Ampicillin)</b> - 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.	<b>Pass</b>
<b>Antibiotic Sensitivity (Chloramphenicol)</b> - 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.	<b>Pass</b>
<b>Antibiotic Sensitivity (Kanamycin)</b> - 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.	<b>Pass</b>
<b>Antibiotic Sensitivity (Spectinomycin)</b> - 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 for 16 hours at 37°C.	<b>Pass</b>
<b>Antibiotic Sensitivity (Streptomycin)</b> - 15 µl of untransformed T7 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.	<b>Pass</b>
<b>Antibiotic Sensitivity (Tetracycline)</b> - 15 µl of untransformed T7 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.	<b>Pass</b>



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Assay Name/Specification (minimum release criteria)	Lot #0281801
<b>Phage Resistance (Φ 80)</b> - 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.	<b>Pass</b>
<b>Transformation Efficiency</b> - 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 10 <sup>9</sup> cfu/µg of DNA.	<b>Pass</b>



Authorized by  
Derek Robinson  
16 Oct 2017



Inspected by  
Lixin An  
20 Feb 2018

