

New England Biolabs Certificate of Analysis

Product Name: T7 Express *lysY/Iq* Competent *E. coli* (High Efficiency)
Catalog #: C3013H/I
Lot #: 0121712
Assay Date: 12/2017
Expiration Date: 12/2019
Storage Temp: -80°C
Specification Version: PS-C3013I v1.0
Effective Date: 07 Nov 2016

Assay Name/Specification (minimum release criteria)	Lot #0121712
Antibiotic Resistance (Chloramphenicol) - 15 µl of untransformed T7 Express <i>lysY/Iq</i> 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 <i>lysY/Iq</i> 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 <i>lysY/Iq</i> 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 (Kanamycin) - 15 µl of untransformed T7 Express <i>lysY/Iq</i> 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 <i>lysY/Iq</i> 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.	Pass
Antibiotic Sensitivity (Streptomycin) - 15 µl of untransformed T7 Express <i>lysY/Iq</i> 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.	Pass
Antibiotic Sensitivity (Tetracycline) - 15 µl of untransformed T7 Express <i>lysY/Iq</i> 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.	Pass



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<p>Phage Resistance (Φ 80) - 15 µl of untransformed T7 Express lysY/Iq 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>Transformation Efficiency - 50 µl of T7 Express lysY/Iq 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



Authorized by
Derek Robinson
07 Nov 2016



Inspected by
Lixin An
08 Dec 2017

