

New England Biolabs Certificate of Analysis

Product Name: T7 Express Competent *E. coli* (High Efficiency)
 Catalog Number: C2566H
 Packaging Lot Number: 10069378
 Expiration Date: 11/2021
 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 | 10064269 | Pass |
| C2566HVIAL | T7 Express Competent <i>E. coli</i> (High Efficiency) | 10059487 | Pass |
| B9020SVIAL | SOC Outgrowth Medium | 10058383 | Pass |

| Assay Name/Specification | Lot # 10069378 |
|--|----------------|
| <p>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.</p> | Pass |
| <p>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.</p> | Pass |
| <p>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.</p> | Pass |
| <p>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.</p> | Pass |
| <p>Transformation Efficiency 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</p> | Pass |

| Assay Name/Specification | Lot # 10069378 |
|--|----------------|
| overnight on LB-Ampicillin plates at 37°C resulted in >0.6 x 10e9 cfu/μg of DNA. | |
| <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>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>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 (Spectinomycin) 15 μl of untransformed T7 Express 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 |

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



Lixin An
Production Scientist
27 Nov 2019



Nick Privitera
Packaging Quality Control Inspector
02 Mar 2020