

New England Biolabs Certificate of Analysis

Product Name: T7 Express lysY Competent *E. coli* (High Efficiency)
Catalog Number: C3010I
Packaging Lot Number: 10181261
Expiration Date: 12/2024
Storage Temperature: -80°C
Specification Version: PS-C3010I v1.0

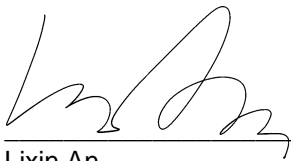
| T7 Express lysY Competent <i>E. coli</i> (High Efficiency) Component List | | | |
|---|--|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| C3010IVIAL | T7 Express lysY Competent <i>E. coli</i> (High Efficiency) | 10160960 | Pass |

| Assay Name/Specification | Lot # 10181261 |
|--|----------------|
| Antibiotic Sensitivity (Tetracycline) 15 µl of untransformed T7 Express lysY 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 |
| Antibiotic Sensitivity (Streptomycin) 15 µl of untransformed T7 Express lysY 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 (Kanamycin) 15 µl of untransformed T7 Express lysY 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 lysY 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 Resistance (Chloramphenicol) 15 µl of untransformed T7 Express lysY 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 |

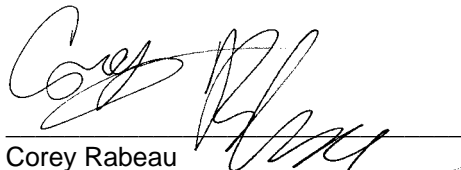
| Assay Name/Specification | Lot # 10181261 |
|---|----------------|
| <p>Antibiotic Resistance (Nitrofurantoin) 15 µl of untransformed T7 Express lysY Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containing Nitrofurantoin will form colonies after incubation for 16 hours at 37°C.</p> | Pass |
| <p>Antibiotic Sensitivity (Ampicillin) 15 µl of untransformed T7 Express lysY Competent E. coli (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>Transformation Efficiency 50 µl of T7 Express lysY 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 |
| <p>Phage Resistance (φ 80) 15 µl of untransformed T7 Express lysY 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 |

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

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Production Scientist
02 Sep 2022



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21 Feb 2023