

New England Biolabs Certificate of Analysis

Product Name: NEB[®] Express Competent *E. coli* (High Efficiency)
Catalog #: C2523H/I
Lot #: 0161708
Assay Date: 08/2017
Expiration Date: 08/2019
Storage Temp: -80°C
Specification Version: PS-C2523H/I v1.0
Effective Date: 05 Jul 2016

| Assay Name/Specification (minimum release criteria) | Lot #0161708 |
|---|--------------|
| Antibiotic Resistance (Nitrofurantoin) - 15 µl of untransformed NEB 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 NEB 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 NEB 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 NEB 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 NEB 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. | Pass |
| Antibiotic Sensitivity (Streptomycin) - 15 µl of untransformed NEB 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. | Pass |
| Antibiotic Sensitivity (Tetracycline) - 15 µl of untransformed NEB 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. | Pass |



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|---|--------------|
| Phage Resistance (Φ 80) - 15 µl of untransformed NEB 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. | Pass |
| Transformation Efficiency - 50 µl of NEB 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 ⁹ cfu/µg of DNA. | Pass |



Authorized by
Derek Robinson
05 Jul 2016



Inspected by
Lixin An
06 Sep 2017

