

New England Biolabs Certificate of Analysis

Product Name: NEBExpress[®] Iq Competent *E. coli* (High Efficiency)
Catalog Number: C3037I
Packaging Lot Number: 10182003
Expiration Date: 12/2024
Storage Temperature: -80°C
Specification Version: PS-C3037I v2.0

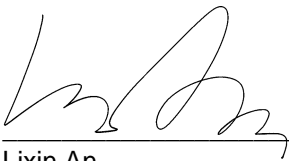
| NEBExpress [®] Iq Competent <i>E. coli</i> (High Efficiency) Component List | | | |
|--|---|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| C3037IVIAL | NEBExpress [®] Iq Competent <i>E. coli</i> (High Efficiency) | 10045189 | Pass |

| Assay Name/Specification | Lot # 10182003 |
|--|----------------|
| Antibiotic Resistance (Chloramphenicol) 15 µl of untransformed NEBExpress [®] Iq 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 Sensitivity (Kanamycin) 15 µl of untransformed NEBExpress [®] Iq 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 (Ampicillin) 15 µl of untransformed NEBExpress [®] Iq 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 Resistance (Nitrofurantoin) 15 µl of untransformed NEBExpress [®] Iq 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 (Streptomycin) 15 µl of untransformed NEBExpress [®] Iq 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 |

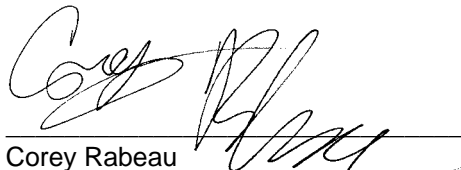
| Assay Name/Specification | Lot # 10182003 |
|--|----------------|
| <p>Antibiotic Sensitivity (Spectinomycin) 15 µl of untransformed NEBExpress® Iq Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C.</p> | Pass |
| <p>Antibiotic Sensitivity (Tetracycline) 15 µl of untransformed NEBExpress® Iq 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>Phage Resistance (φ 80) 15 µl of untransformed NEBExpress® Iq 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>Transformation Efficiency 50 µl of NEBExpress® Iq 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 |

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

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Lixin An
Production Scientist
31 May 2019



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Packaging Quality Control Inspector
23 Feb 2023