

New England Biolabs Certificate of Analysis

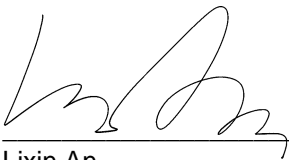
Product Name: NEB[®] Express Iq Competent *E. coli* (High Efficiency)
Catalog Number: C3037I
Lot Number: 10039044
Expiration Date: 02/2021
Storage Temperature: -80°C
Specification Version: PS-C3037I v1.0

NEB [®] Express Iq Competent <i>E. coli</i> (High Efficiency) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
C3037IVIAL	NEB [®] Express Iq Competent <i>E. coli</i> (High Efficiency)	10009037	Pass

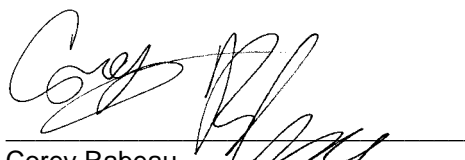
Assay Name/Specification	Lot # 10039044
Antibiotic Sensitivity (Streptomycin) 15 µl of untransformed NEB [®] Express Iq Competent <i>E. coli</i> (High Efficiency) streaked onto a Rich Broth plate containing Streptomycin will not form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Sensitivity (Tetracycline) 15 µl of untransformed NEB [®] Express Iq 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
Phage Resistance (φ 80) 15 µl of untransformed NEB [®] Express 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.	Pass
Transformation Efficiency 50 µl of NEB [®] Express 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 10 ⁹ cfu/µg of DNA.	Pass
Antibiotic Resistance (Chloramphenicol) 15 µl of untransformed NEB [®] Express 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

Assay Name/Specification	Lot # 10039044
<p>Antibiotic Resistance (Nitrofurantoin) 15 µl of untransformed NEB[®] Express Iq 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 NEB[®] Express Iq 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>Antibiotic Sensitivity (Kanamycin) 15 µl of untransformed NEB[®] Express Iq Competent E. coli (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 (Spectinomycin) 15 µl of untransformed NEB[®] Express 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

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



Lixin An
Production Scientist
05 Mar 2019



Corey Rabeau
Packaging Quality Control Inspector
05 Mar 2019