

New England Biolabs Certificate of Analysis

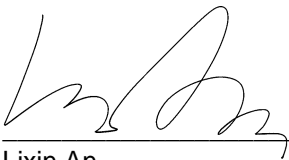
Product Name: NEB[®] Express Iq Competent *E. coli* (High Efficiency)
 Catalog Number: C30371
 Lot Number: 10052487
 Expiration Date: 08/2021
 Storage Temperature: -80°C
 Specification Version: PS-C30371 v1.0

NEB [®] Express Iq Competent <i>E. coli</i> (High Efficiency) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
C30371VIAL	NEB [®] Express Iq Competent <i>E. coli</i> (High Efficiency)	10045189	Pass

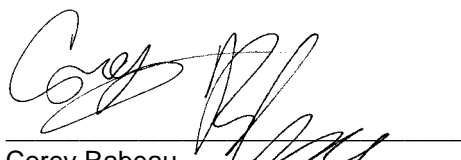
Assay Name/Specification	Lot # 10052487
<p>Transformation Efficiency 50 µl of NEB[®] Express Iq Competent <i>E. coli</i> (High Efficiency) cells were transformed with 100 pg of pUC19 DNA using the transformation protocol provided. Incubation overnight on LB-Ampicillin plates at 37°C resulted in >0.6 x 10⁹ cfu/µg of DNA.</p>	Pass
<p>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.</p>	Pass
<p>Antibiotic Resistance (Nitrofurantoin) 15 µl of untransformed NEB[®] Express 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.</p>	Pass
<p>Antibiotic Sensitivity (Ampicillin) 15 µl of untransformed NEB[®] Express 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.</p>	Pass
<p>Antibiotic Sensitivity (Kanamycin) 15 µl of untransformed NEB[®] Express 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.</p>	Pass

Assay Name/Specification	Lot # 10052487
<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
<p>Antibiotic Sensitivity (Streptomycin) 15 µl of untransformed NEB[®] Express Iq 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 (Tetracycline) 15 µl of untransformed NEB[®] Express 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 NEB[®] Express 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

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



Lixin An
Production Scientist
31 May 2019



Corey Rabeau
Packaging Quality Control Inspector
12 Aug 2019