

www.neb.com info@neb.com



## New England Biolabs Certificate of Analysis

Product Name: NEB® Turbo Competent E. coli (High Efficiency)

 Catalog #:
 C2984H/I

 Lot #:
 1481706

 Assay Date:
 06/2017

 Expiration Date:
 06/2018

 Storage Temp:
 -80°C

Specification Version: PS-C2984H/I v1.0

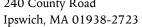
Effective Date: 07 Jul 2016

Assay Name/Specification (minimum release criteria)	Lot #1481706
Antibiotic Resistance (Nitrofurantoin) - 15 µl of untransformed NEB® Turbo 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® Turbo 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® Turbo 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 $\mu$ l of untransformed NEB® Turbo 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® Turbo 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® Turbo 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® Turbo 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









Tel 978-927-5054 Fax 978-921-1350

www.neb.com info@neb.com

## **New England Biolabs** Certificate of Analysis

Assay Name/Specification (minimum release criteria)	Lot #1481706
Blue-White Screening ( $\alpha$ -complementation, Competent Cells) - NEB® Turbo Competent <i>E. coli</i> (High Efficiency) were shown to be suitable for blue/white screening by $\alpha$ -complementation of the $\beta$ -galactosidase gene using pUC19.	Pass
<b>Phage Resistance</b> ( $\Phi$ 80) - 15 $\mu$ l of untransformed NEB® Turbo Competent <i>E. coli</i> (High Efficiency) streaked onto a Rich Broth plate does not support plaque formation by phage $\Phi$ 80 after incubation for 16 hours at 37°C.	Pass
<b>Transformation Efficiency</b> - 50 $\mu$ l of NEB® Turbo 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 >1 x 10e9 cfu/ $\mu$ g of DNA.	Pass

Authorized by Derek Robinson 07 Jul 2016







Inspected by Lixin An 19 Jun 2017