

New England Biolabs Certificate of Analysis

Product Name: NEB[®] Turbo Electrocompetent *E. coli*
Catalog #: C2986K
Lot #: 0221612
Assay Date: 12/2016
Expiration Date: 12/2017
Storage Temp: -80°C
Specification Version: PS-C2986K v1.0
Effective Date: 12 Apr 2017

Assay Name/Specification (minimum release criteria)	Lot #0221612
Antibiotic Resistance (Nitrofurantoin) - 15 µl of untransformed NEB [®] Turbo Electrocompetent <i>E. coli</i> streaked onto a LB or 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 Electrocompetent <i>E. coli</i> streaked onto a LB or 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 Electrocompetent <i>E. coli</i> streaked onto a LB or 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 [®] Turbo Electrocompetent <i>E. coli</i> streaked onto a LB or 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 Electrocompetent <i>E. coli</i> streaked onto a LB or 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 Electrocompetent <i>E. coli</i> streaked onto a LB or 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 Electrocompetent <i>E. coli</i> streaked onto a LB or Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.	Pass
Blue-White Screening (α-complementation, Competent Cells) - NEB [®] Turbo Electrocompetent <i>E. coli</i> were shown to be suitable for blue/white screening by α-complementation of the β-galactosidase gene using pUC19.	Pass



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<p>Phage Resistance (Φ 80) - 15 µl of untransformed NEB[®] Turbo Electrocompetent <i>E. coli</i> 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 - 25 µl of NEB[®] Turbo Electrocompetent <i>E. coli</i> cells were transformed with 10 pg of pUC19 DNA using the transformation protocol provided. Incubation overnight on LB-Ampicillin plates at 37°C resulted in >1 x 10¹⁰ cfu/µg of DNA.</p>	Pass



Authorized by
Derek Robinson
12 Apr 2017



Inspected by
Quiting Ren
13 Apr 2017

