

New England Biolabs Certificate of Analysis

Product Name: NEB[®] Turbo Electrocompetent *E.coli*
 Catalog Number: C2986K
 Lot Number: 10031962
 Expiration Date: 11/2019
 Storage Temperature: -80°C
 Specification Version: PS-C2986K v1.0

NEB [®] Turbo Electrocompetent <i>E.coli</i> Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10025691	Pass
C2986KVIAL	NEB [®] Turbo Electrocompetent <i>E.coli</i>	10027947	Pass
B9020SVIAL	SOC Outgrowth Medium	10018460	Pass

Assay Name/Specification	Lot # 10031962
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 (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 (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 (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	Pass

Assay Name/Specification	Lot # 10031962
16 hours at 37°C.	
<p>Blue-White Screening (α-complementation, Competent Cells) NEB[®] Turbo Electrocompetent E. coli were shown to be suitable for blue/white screening by α-complementation of the β-galactosidase gene using pUC19.</p>	Pass
<p>Phage Resistance (ϕ 80) 15 μl of untransformed NEB[®] Turbo Electrocompetent E. coli 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 E. coli 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 $>1 \times 10^{10}$ cfu/μg of DNA.</p>	Pass
<p>Antibiotic Sensitivity (Ampicillin) 15 μl of untransformed NEB[®] Turbo Electrocompetent E. coli streaked onto a LB or Rich Broth plate containing Ampicillin will not form colonies after incubation for 16 hours at 37°C.</p>	Pass
<p>Antibiotic Resistance (Nitrofurantoin) 15 μl of untransformed NEB[®] Turbo Electrocompetent E. coli streaked onto a LB or Rich Broth plate containing Nitrofurantoin will 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.



Quieting Ren
Production Scientist
11 Dec 2018



Nick Privitera
Packaging Quality Control Inspector
11 Dec 2018