

New England Biolabs Certificate of Analysis

Product Name: *NEB® Turbo Electrocompetent E.coli*
 Catalog Number: C2986K
 Packaging Lot Number: 10058816
 Expiration Date: 10/2020
 Storage Temperature: -80°C
 Specification Version: PS-C2986K v1.0

| NEB® Turbo Electrocompetent E.coli Component List | | | |
|---|------------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N3041AVIAL | pUC19 Vector | 10047676 | Pass |
| C2986KVIAL | NEB® Turbo Electrocompetent E.coli | 10055463 | Pass |
| B9020SVIAL | SOC Outgrowth Medium | 10048125 | Pass |

| Assay Name/Specification | Lot # 10058816 |
|---|----------------|
| 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. | Pass |
| 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. | Pass |
| Antibiotic Sensitivity (Chloramphenicol) 15 µl of untransformed NEB® Turbo Electrocompetent E. coli 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 E. coli 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 E. coli streaked onto a LB or Rich Broth plate containing Spectinomycin will not form colonies after incubation | Pass |

| Assay Name/Specification | Lot # 10058816 |
|---|----------------|
| for 16 hours at 37°C. | |
| <p>Antibiotic Sensitivity (Streptomycin) 15 µl of untransformed NEB® Turbo Electrocompetent E. coli streaked onto a LB or 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® Turbo Electrocompetent E. coli streaked onto a LB or Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.</p> | Pass |
| <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 x 10¹⁰ cfu/µg of DNA.</p> | Pass |

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


Quieting Ren
Production Scientist
25 Oct 2019


Corey Rabeau
Packaging Quality Control Inspector
25 Oct 2019