

New England Biolabs Certificate of Analysis

Product Name: *dam⁻/dcm⁻ Competent E. coli*
 Catalog #: C2925H/I
 Lot #: 0591703
 Assay Date: 03/2017
 Expiration Date: 03/2018
 Storage Temp: -80°C
 Specification Version: PS-C2925H/I v1.0
 Effective Date: 22 Nov 2016

| Assay Name/Specification (minimum release criteria) | Lot #0591703 |
|---|--------------|
| Antibiotic Resistance (Chloramphenicol) - 15 µl of untransformed <i>dam⁻/dcm⁻ Competent E. coli</i> streaked onto a Rich Broth plate containing Chloramphenicol will form colonies after incubation for 16 hours at 37°C. | Pass |
| Antibiotic Resistance (Nitrofurantoin) - 15 µl of untransformed <i>dam⁻/dcm⁻ Competent E. coli</i> streaked onto a Rich Broth plate containing Nitrofurantoin will form colonies after incubation for 16 hours at 37°C. | Pass |
| Antibiotic Resistance (Streptomycin) - 15 µl of untransformed <i>dam⁻/dcm⁻ Competent E. coli</i> streaked onto a Rich Broth plate containing Streptomycin will form colonies after incubation for 16 hours at 37°C. | Pass |
| Antibiotic Sensitivity (Ampicillin) - 15 µl of untransformed <i>dam⁻/dcm⁻ Competent E. coli</i> streaked onto a Rich Broth plate containing Ampicillin will not form colonies after incubation for 16 hours at 37°C. | Pass |
| Antibiotic Sensitivity (Kanamycin) - 15 µl of untransformed <i>dam⁻/dcm⁻ Competent E. coli</i> 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 <i>dam⁻/dcm⁻ Competent E. coli</i> streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C. | Pass |
| Antibiotic Sensitivity (Tetracycline) - 15 µl of untransformed <i>dam⁻/dcm⁻ Competent E. coli</i> streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C. | Pass |
| Phage Resistance (Φ 80) - 15 µl of untransformed <i>dam⁻/dcm⁻ Competent 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. | Pass |
| Transformation Efficiency - 50 µl of <i>dam⁻/dcm⁻ Competent E. coli</i> 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 10 ⁶ cfu/µg of DNA. | Pass |



Authorized by
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22 Nov 2016



Inspected by
Lixin An
27 Mar 2017

