

New England Biolabs Certificate of Analysis

Product Name: *dam⁻/dcm⁻ Competent E. coli*
 Catalog #: C2925H/I
 Lot #: 0561608
 Assay Date: 08/2016
 Expiration Date: 08/2017
 Storage Temp: -80°C
 Specification Version: PS-C2925H/I v1.0
 Effective Date: 07 Jul 2016

Assay Name/Specification (minimum release criteria)	Lot #0561608
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
Derek Robinson
07 Jul 2016



Inspected by
Lixin An
08 Sep 2016

