

## New England Biolabs Certificate of Analysis

Product Name: *dam<sup>-</sup>/dcm<sup>-</sup> Competent E. coli*  
 Catalog #: C2925H/I  
 Lot #: 0561610  
 Assay Date: 10/2016  
 Expiration Date: 10/2017  
 Storage Temp: -80°C  
 Specification Version: PS-C2925H/I v1.0  
 Effective Date: 07 Jul 2016

Assay Name/Specification (minimum release criteria)	Lot #0561610
<b>Antibiotic Resistance (Chloramphenicol)</b> - 15 µl of untransformed <i>dam<sup>-</sup>/dcm<sup>-</sup> Competent E. coli</i> streaked onto a Rich Broth plate containing Chloramphenicol will form colonies after incubation for 16 hours at 37°C.	Pass
<b>Antibiotic Resistance (Nitrofurantoin)</b> - 15 µl of untransformed <i>dam<sup>-</sup>/dcm<sup>-</sup> Competent E. coli</i> streaked onto a Rich Broth plate containing Nitrofurantoin will form colonies after incubation for 16 hours at 37°C.	Pass
<b>Antibiotic Resistance (Streptomycin)</b> - 15 µl of untransformed <i>dam<sup>-</sup>/dcm<sup>-</sup> Competent E. coli</i> streaked onto a Rich Broth plate containing Streptomycin will form colonies after incubation for 16 hours at 37°C.	Pass
<b>Antibiotic Sensitivity (Ampicillin)</b> - 15 µl of untransformed <i>dam<sup>-</sup>/dcm<sup>-</sup> 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
<b>Antibiotic Sensitivity (Kanamycin)</b> - 15 µl of untransformed <i>dam<sup>-</sup>/dcm<sup>-</sup> 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
<b>Antibiotic Sensitivity (Spectinomycin)</b> - 15 µl of untransformed <i>dam<sup>-</sup>/dcm<sup>-</sup> 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
<b>Antibiotic Sensitivity (Tetracycline)</b> - 15 µl of untransformed <i>dam<sup>-</sup>/dcm<sup>-</sup> 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
<b>Phage Resistance (Φ 80)</b> - 15 µl of untransformed <i>dam<sup>-</sup>/dcm<sup>-</sup> 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
<b>Transformation Efficiency</b> - 50 µl of <i>dam<sup>-</sup>/dcm<sup>-</sup> 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 <sup>6</sup> cfu/µg of DNA.	Pass



Authorized by  
Derek Robinson  
07 Jul 2016



Inspected by  
Lixin An  
18 Oct 2016

