

## New England Biolabs Certificate of Analysis

Product Name: *dam-/dcm- Competent E. coli*  
 Catalog Number: C2925H  
 Lot Number: 10049344  
 Expiration Date: 06/2020  
 Storage Temperature: -80°C  
 Specification Version: PS-C2925H/I v1.0

dam-/dcm- Competent E. coli Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10043515	Pass
C2925HVIAL	dam <sup>-</sup> /dcm <sup>-</sup> Competent E. coli	10040309	Pass
B9020SVIAL	SOC Outgrowth Medium	10045012	Pass

Assay Name/Specification	Lot # 10049344
<p><b>Transformation Efficiency</b>            50 µl of dam-/dcm- Competent E. coli 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 &gt;1 x 10<sup>6</sup> cfu/µg of DNA.</p>	Pass
<p><b>Phage Resistance (φ 80)</b>            15 µl of untransformed dam-/dcm- Competent 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><b>Antibiotic Resistance (Chloramphenicol)</b>            15 µl of untransformed dam-/dcm- Competent E. coli streaked onto a Rich Broth plate containing Chloramphenicol will form colonies after incubation for 16 hours at 37°C.</p>	Pass
<p><b>Antibiotic Resistance (Nitrofurantoin)</b>            15 µl of untransformed dam-/dcm- Competent E. coli streaked onto a Rich Broth plate containing Nitrofurantoin will form colonies after incubation for 16 hours at 37°C.</p>	Pass
<p><b>Antibiotic Resistance (Streptomycin)</b>            15 µl of untransformed dam-/dcm- Competent E. coli streaked onto a Rich Broth plate containing Streptomycin will form colonies after incubation for 16 hours at 37°C.</p>	Pass
<p><b>Antibiotic Sensitivity (Ampicillin)</b></p>	Pass

Assay Name/Specification	Lot # 10049344
15 µl of untransformed dam-/dcm- Competent E. coli streaked onto a Rich Broth plate containing Ampicillin will not form colonies after incubation for 16 hours at 37°C.	
<b>Antibiotic Sensitivity (Kanamycin)</b> 15 µl of untransformed dam-/dcm- Competent E. coli streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at 37°C.	<b>Pass</b>
<b>Antibiotic Sensitivity (Spectinomycin)</b> 15 µl of untransformed dam-/dcm- Competent E. coli streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C.	<b>Pass</b>
<b>Antibiotic Sensitivity (Tetracycline)</b> 15 µl of untransformed dam-/dcm- Competent E. coli streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.	<b>Pass</b>

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

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Chris Blanchette  
Production Scientist  
12 Apr 2019




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Corey Rabeau  
Packaging Quality Control Inspector  
05 Jul 2019