

## New England Biolabs Certificate of Analysis

Product Name: *dam-/dcm- Competent E. coli*  
 Catalog Number: C2925H  
 Packaging Lot Number: 10203040  
 Expiration Date: 07/2024  
 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	10190979	Pass
C2925HVIAL	dam <sup>-</sup> /dcm <sup>-</sup> Competent E. coli	10176317	Pass
B9020SVIAL	SOC Outgrowth Medium	10186859	Pass

Assay Name/Specification	Lot # 10203040
<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.	Pass
<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.	Pass
<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.	Pass
<b>Antibiotic Sensitivity (Ampicillin)</b> 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.	Pass
<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.	Pass
<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	Pass

Assay Name/Specification	Lot # 10203040
<p>37°C.</p> <p><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.</p>	<b>Pass</b>
<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>	<b>Pass</b>
<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>	<b>Pass</b>

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.



Qiting Ren  
Production Scientist  
14 Feb 2023



Nick Privitera  
Packaging Quality Control Inspector  
03 Aug 2023