

## New England Biolabs Certificate of Analysis

Product Name: *dam-/dcm- Competent E. coli*  
 Catalog Number: C2925I  
 Packaging Lot Number: 10159145  
 Expiration Date: 07/2023  
 Storage Temperature: -80°C  
 Specification Version: PS-C2925H/I v1.0

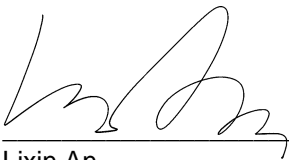
dam-/dcm- Competent E. coli Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10152456	Pass
C2925IVIAL	dam <sup>-</sup> /dcm <sup>-</sup> Competent E. coli	10118718	Pass
B9020SVIAL	SOC Outgrowth Medium	10135629	Pass

Assay Name/Specification	Lot # 10159145
<p><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.</p>	Pass
<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>	Pass
<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 10e6 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

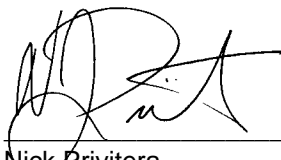
Assay Name/Specification	Lot # 10159145
<b>Antibiotic Resistance (Streptomycin)</b> 15 µl of untransformed dam-/dcm- Competent E. coli streaked onto a Rich Broth plate containing Streptomycin will form colonies after incubation for 16 hours at 37°C.	<b>Pass</b>
<b>Antibiotic Resistance (Nitrofurantoin)</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.	<b>Pass</b>
<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.	<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>

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.



Lixin An  
Production Scientist  
20 Jul 2022



Nick Privitera  
Packaging Quality Control Inspector  
20 Jul 2022