

New England Biolabs Certificate of Analysis

Product Name: *dam-/dcm- Competent E. coli*
 Catalog Number: C2925H
 Packaging Lot Number: 10108149
 Expiration Date: 05/2022
 Storage Temperature: -80°C
 Specification Version: PS-C2925H/I v1.0

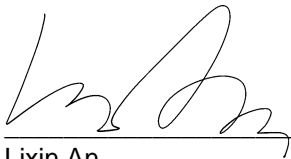
dam-/dcm- Competent E. coli Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10103254	Pass
C2925HVIAL	dam ⁻ /dcm ⁻ Competent E. coli	10076866	Pass
B9020SVIAL	SOC Outgrowth Medium	10093866	Pass

Assay Name/Specification	Lot # 10108149
<p>Transformation Efficiency 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 >1 x 10⁶ cfu/µg of DNA.</p>	Pass
<p>Phage Resistance (φ 80) 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>Antibiotic Sensitivity (Tetracycline) 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>Antibiotic Sensitivity (Spectinomycin) 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.</p>	Pass
<p>Antibiotic Resistance (Nitrofurantoin) 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

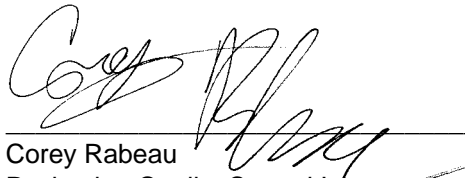
Assay Name/Specification	Lot # 10108149
<p>Antibiotic Resistance (Chloramphenicol) 15 µl of untransformed dam-/dcm- Competent E. coli streaked onto a Rich Broth plate containing Chloramphenicol will form colonies after incubation for 16 hours at 37°C.</p>	Pass
<p>Antibiotic Sensitivity (Kanamycin) 15 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>Antibiotic Sensitivity (Ampicillin) 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.</p>	Pass
<p>Antibiotic Resistance (Streptomycin) 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

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

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Lixin An
Production Scientist
03 May 2021



Corey Rabeau
Packaging Quality Control Inspector
03 May 2021