

New England Biolabs Certificate of Analysis

Product Name: *dam-/dcm- Competent E. coli*
 Catalog Number: C2925H
 Packaging Lot Number: 10069842
 Expiration Date: 02/2021
 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 | 10064269 | Pass |
| C2925HVIAL | dam ⁻ /dcm ⁻ Competent E. coli | 10054270 | Pass |
| B9020SVIAL | SOC Outgrowth Medium | 10062380 | Pass |

| Assay Name/Specification | Lot # 10069842 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 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. | Pass |
| 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. | Pass |
| 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. | Pass |
| 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. | Pass |
| 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. | Pass |
| 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 | Pass |

| Assay Name/Specification | Lot # 10069842 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <p>37°C.</p> <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> | <p>Pass</p> |
| <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> | <p>Pass</p> |
| <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> | <p>Pass</p> |

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



Lixin An
Production Scientist
11 Oct 2019



Nick Privitera
Packaging Quality Control Inspector
04 Mar 2020