

New England Biolabs Certificate of Analysis

Product Name: *dam-/dcm- Competent E. coli*
 Catalog Number: C2925I
 Packaging Lot Number: 10134347
 Expiration Date: 11/2022
 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 | 10129358 | Pass |
| C2925IVIAL | dam ⁻ /dcm ⁻ Competent E. coli | 10118718 | Pass |
| B9020SVIAL | SOC Outgrowth Medium | 10107489 | Pass |

| Assay Name/Specification | Lot # 10134347 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <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>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>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 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 |
| <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 (Chloramphenicol)</p> | Pass |

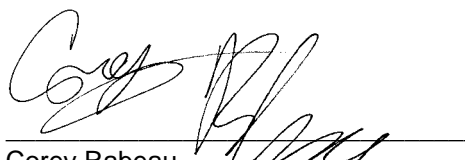
| Assay Name/Specification | Lot # 10134347 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <p>15 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> | |
| <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 |
| <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 |

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

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Production Scientist
22 Dec 2021



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22 Dec 2021