


## New England Biolabs Certificate of Analysis

Product Name: BL21(DE3) Competent *E. coli*  
 Catalog #: C2527H/1  
 Lot #: 0871610  
 Assay Date: 10/2016  
 Expiration Date: 10/2017  
 Storage Temp: -80°C  
 Specification Version: PS-C2527H/1 v1.0  
 Effective Date: 14 Oct 2016

| Assay Name/Specification (minimum release criteria)   | Lot #0871610 |
|---|--------------|
| <b>Antibiotic Sensitivity (Ampicillin)</b> - 15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> 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 (Chloramphenicol)</b> - 15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Chloramphenicol will not form colonies after incubation for 16 hours at 37°C.   | <b>Pass</b>  |
| <b>Antibiotic Sensitivity (Kanamycin)</b> - 15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at 37°C.   | <b>Pass</b>  |
| <b>Antibiotic Sensitivity (Spectinomycin)</b> - 15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C.   | <b>Pass</b>  |
| <b>Antibiotic Sensitivity (Streptomycin)</b> - 15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Streptomycin will not form colonies after incubation for 16 hours at 37°C.   | <b>Pass</b>  |
| <b>Antibiotic Sensitivity (Tetracycline)</b> - 15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.   | <b>Pass</b>  |
| <b>Phage Resistance (Φ 80)</b> - 15 µl of untransformed BL21(DE3) Competent <i>E. coli</i> streaked onto a Rich Broth plate does not support plaque formation by phage Φ 80 after incubation for 16 hours at 37°C.  | <b>Pass</b>  |
| <b>Transformation Efficiency</b> - 50 µl of BL21(DE3) Competent <i>E. coli</i> 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 10 <sup>7</sup> cfu/µg of DNA. | <b>Pass</b>  |

  
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 Authorized by  
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 14 Oct 2016



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