

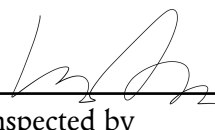
## New England Biolabs Certificate of Analysis

Product Name: BL21(DE3) Competent *E. coli*  
 Catalog #: C2527H/I  
 Lot #: 0921707  
 Assay Date: 07/2017  
 Expiration Date: 07/2018  
 Storage Temp: -80°C  
 Specification Version: PS-C2527H/I v1.0  
 Effective Date: 27 Jan 2017

| Assay Name/Specification (minimum release criteria)   | Lot #0921707 |
|---|--------------|
| <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>  |



Authorized by  
Derek Robinson  
27 Jan 2017



Inspected by  
Lixin An  
05 Jul 2017

