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New England Biolabs Certificate of Analysis

Product Name: BL21(DE3) Competent E. coli

Catalog Number: C2527I
Lot Number: 10034317
Expiration Date: 01/2020
Storage Temperature: -80°C

Specification Version: PS-C2527H/I v1.0

BL21(DE3) Competent E. coli Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
N3041AVIAL	pUC19 Vector	10032414	Pass	
C2527IVIAL	BL21(DE3) Competent E. coli	10027654	Pass	
B9020SVIAL	SOC Outgrowth Medium	10025234	Pass	

Assay Name/Specification	Lot # 10034317
Phage Resistance (φ 80) 15 μl of untransformed BL21(DE3) 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.	Pass
Transformation Efficiency 50 µl of BL21(DE3) 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 10e7 cfu/µg of DNA.	Pass
Antibiotic Sensitivity (Ampicillin) 15 µl of untransformed BL21(DE3) 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 (Chloramphenicol) 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Chloramphenicol will not form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Sensitivity (Kanamycin) 15 μl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at 37°C.	Pass



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Assay Name/Specification	Lot # 10034317
Antibiotic Sensitivity (Spectinomycin) 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Sensitivity (Streptomycin) 15 μl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Streptomycin will not form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Sensitivity (Tetracycline) 15 µl of untransformed BL21(DE3) Competent E. coli streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at	Pass

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

Lixin An

37°C.

Production Scientist

06 Dec 2018

Corey Rabeau

Packaging Quality Control Inspector

11 Jan 2019



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