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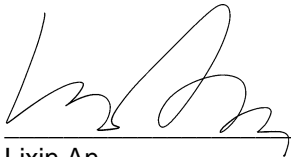Fax 978-921-1350

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New England Biolabs
Certificate of Analysis

Product Name:	*BL21 Competent E. coli*
Catalog Number:	*C2530H*
Lot Number:	*10018939*
Expiration Date:	*08/2019*
Storage Temperature:	*-80°C*
Specification Version:	*PS-C2530H v1.0*

BL21 Competent E. coli Component List

NEB Part Number	Component Description	Lot Number	Individual QC Result
N3041AVIAL	pUC19 Vector	10010689	**Pass**
C2530HVIAL	BL21 Competent E. coli	10008165	**Pass**
B9020SVIAL	SOC Outgrowth Medium	5741805	**Pass**

Assay Name/Specification	Lot # 10018939
Antibiotic Sensitivity (Ampicillin) 15 µl of untransformed BL21 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 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 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 BL21 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 Competent E. coli streaked onto a Rich Broth plate containing Streptomycin will not form colonies after incubation for 16 hours at 37°C.	**Pass**

![nqa ISO 9001 Registered Quality Management] ![nqa ISO 13485 Registered Medical Devices] ![nqa ISO 14001 Registered Environmental Management]

Assay Name/Specification	Lot # 10018939
Antibiotic Sensitivity (Tetracycline) 15 µl of untransformed BL21 Competent E. coli streaked onto a Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37°C.	**Pass**
Phage Resistance (ɸ 80) 15 µl of untransformed BL21 Competent E. coli streaked onto a Rich Broth plate does not support plaque formation by phage ɸ 80 after incubation for 16 hours at 37°C.	**Pass**
Transformation Efficiency 50 µl of BL21 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**

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

Lixin An
Production Scientist
18 May 2018

Nick Privitera
Packaging Quality Control Inspector
09 Aug 2018