

be INSPIRED drive DISCOVERY stay GENUINE

240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

New England Biolabs Certificate of Analysis

Product Name:	NEB® Stable Competent E. coli (High Efficiency)
Catalog Number:	С3040Н
Packaging Lot Number:	10094533
Expiration Date:	12/2021
Storage Temperature:	-80°C
Specification Version:	PS-C3040H/I v1.0

NEB® Stable Competent E. coli (High Efficiency) Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
N3041AVIAL	pUC19 Vector	10088620	Pass	
C3040HVIAL	NEB® Stable Competent E. coli (High Efficiency)	10087009	Pass	
B9035SVIAL	NEB® 10-beta/Stable Outgrowth Medium	10085020	Pass	

Assay Name/Specification	Lot # 10094533
Antibiotic Resistance (Streptomycin) 15 μl of untransformed NEB® Stable Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containing Streptomycin will form colonies after incubation for 16 hours at 37°C.	Pass
Transformation Efficiency 50 μ I of NEB® Stable Competent E. coli (High Efficiency) 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 10e9 cfu/ μ g of DNA.	Pass
Phage Resistance (ϕ 80) 15 µl of untransformed NEB® Stable Competent E. coli (High Efficiency) streaked onto a Rich Broth plate does not support plaque formation by phage ϕ 80 after incubation for 16 hours at 37°C.	Pass
Blue-White Screening (α -complementation, Competent Cells) NEB® Stable Competent E. coli (High Efficiency) were shown to be suitable for blue/white screening by α -complementation of the β -galactosidase gene using pUC19.	Pass
Antibiotic Sensitivity (Spectinomycin) 15 µl of untransformed NEB® Stable Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C.	Pass





be INSPIRED drive DISCOVERY stay GENUINE

240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

Assay Name/Specification	Lot # 10094533
Antibiotic Sensitivity (Nitrofurantoin) 15 µl of untransformed NEB® Stable Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containing Nitrofurantoin will not form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Sensitivity (Kanamycin) 15 µl of untransformed NEB® Stable Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Sensitivity (Chloramphenicol) 15 µl of untransformed NEB® Stable Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containing Chloramphenicol will not form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Sensitivity (Ampicillin) 15 µl of untransformed NEB® Stable Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containing Ampicillin will not form colonies after incubation for 16 hours at 37°C.	Pass
Antibiotic Resistance (Tetracycline) 15 µl of untransformed NEB® Stable Competent E. coli (High Efficiency) streaked onto a Rich Broth plate containingTetracycline will form colonies after incubation for 16 hours at 37°C.	Pass

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

Lixin An Production Scientist 21 Dec 2020

N

Nick Privitera Packaging Quality Control Inspector 21 Dec 2020

