

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® 5-alpha Electrocompetent E. coli
Catalog #:	С2989К
Lot #:	1011709
Assay Date:	09/2017
Expiration Date:	09/2018
Storage Temp:	-80°C
Specification Version:	PS-C2989K v1.0
Effective Date:	13 Sep 2017

Assay Name/Specification (minimum release criteria)		
Antibiotic Sensitivity (Ampicillin) - 15 μ l of untransformed NEB® 5-alpha Electrocompetent <i>E. coli</i> streaked onto a LB or Rich Broth plate containing Ampicillin will not form colonies after incubation for 16 hours at 37°C.		
Antibiotic Sensitivity (Chloramphenicol) - 15 μ l of untransformed NEB® 5-alpha Electrocompetent <i>E. coli</i> streaked onto a LB or Rich Broth plate containing Chloramphenicol will not form colonies after incubation for 16 hours at 37°C.		
Antibiotic Sensitivity (Kanamycin) - 15 μl of untransformed NEB® 5-alpha Electrocompetent <i>E. coli</i> streaked onto a LB or Rich Broth plate containing Kanamycin will not form colonies after incubation for 16 hours at 37°C.		
Antibiotic Sensitivity (Nitrofurantoin) - 15 μ l of untransformed NEB® 5-alpha Electrocompetent <i>E. coli</i> streaked onto a LB or Rich Broth plate containing Nitrofurantoin will not form colonies after incubation for 16 hours at 37°C.		
Antibiotic Sensitivity (Spectinomycin) - 15 μ l of untransformed NEB® 5-alpha Electrocompetent <i>E. coli</i> streaked onto a LB or Rich Broth plate containing Spectinomycin will not form colonies after incubation for 16 hours at 37°C.		
Antibiotic Sensitivity (Streptomycin) - 15 μ l of untransformed NEB® 5-alpha Electrocompetent <i>E. coli</i> streaked onto a LB or Rich Broth plate containing Streptomycin will not form colonies after incubation for 16 hours at 37°C.		
Antibiotic Sensitivity (Tetracycline) - 15 μ l of untransformed NEB® 5-alpha Electrocompetent <i>E. coli</i> streaked onto a LB or Rich Broth plate containing Tetracycline will not form colonies after incubation for 16 hours at 37° C.		

 nqa.
 nqa.

 ISO 9001
 ISO 14001

 Registered
 Registered

 Quality
 Environmental

 Management
 Medical Devices

C2989K Lot: 1011709 Page 1 of 2



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

Assay Name/Specification (minimum release criteria) Blue-White Screening (α-complementation, Competent Cells) - NEB® 5-alpha Electrocompetent E. coli were shown to be suitable for blue/white screening by α-complementation of the β-galactosidase gene using pUC19.	
Transformation Efficiency - 25 μ l of NEB® 5-alpha Electrocompetent <i>E. coli</i> cells were transformed with 10 pg of pUC19 DNA using the transformation protocol provided. Incubation overnight on LB-Ampicillin plates at 37°C resulted in >1 x 10e10 cfu/ μ g of DNA.	

Authorized by Quiting Ren 13 Sep 2017



Inspected by

×