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® PCR Cloning Kit

Catalog #: E1202S

Kit Components: Cloning Mix 1 (M1015)

Cloning Mix 2 (M1016)

Amplicon Cloning Control (N0555)
Linearized pMiniTTM 2.0 Vector (N0312)
Cloning Analysis Forward Primer (S1512)
Cloning Analysis Reverse Primer (S1513)

pUC19 Vector (N3041)

NEB® 10-beta Competent E. coli (Cloning Efficiency) (C3018)

NEB® 10-beta/Stable Outgrowth Medium (B9035)

 Lot #:
 0711803

 Assay Date:
 03/2018

 Expiration Date:
 03/2019

 Storage Temp:
 -80°C

Specification Version: PS-E1202S v1.0 Effective Date: 09 Jul 2018

Assay Name/Specification (minimum release criteria)	Lot #0711803
Functional Testing (NEB® PCR Cloning Kit) - A 10 μ l ligation reaction containing 5 μ l cloning mix, 25 ng of linearized pMiniT TM 2.0 vector and 30 ng of a 1 kb amplicon containing A overhangs is incubated for 5 minutes at 25°C. Transformation of NEB 10-beta Competent <i>E. coli</i> with 2 μ l of the ligated master mix/fragment mixture yields \geq 100 colonies when 5% of the transformation is plated on an ampicillin plate and incubated overnight at 37°C. The colonies are screened by colony PCR and \geq 95% of colonies have an insert present.	Pass
* Individual Product Component Note - Standard Quality Control Tests are performed for each component included in NEB® PCR Cloning Kit and meet the designated specifications.	Pass

Authorized by Derek Robinson 09 Jul 2018







Inspected by
Cathy Shea
02 Mar 2018