

## New England Biolabs Certificate of Analysis

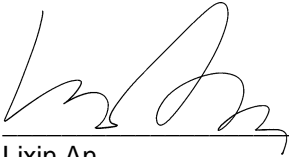
Product Name: NEB® PCR Cloning Kit  
 Catalog Number: E1202S  
 Packaging Lot Number: 10060043  
 Expiration Date: 08/2020  
 Storage Temperature: Multi-temperature\*  
 Specification Version: PS-E1202S v2.0

\* This product contains components with different storage temperature requirements. Please reference the applicable product specification document(s) on the Quality and Safety tab located on the product page of www.neb.com.

NEB® PCR Cloning Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1513AVIAL	Cloning Analysis Reverse Primer	10049095	Pass
S1512AVIAL	Cloning Analysis Forward Primer	10049094	Pass
N3041AVIAL	pUC19 Vector	10053503	Pass
N0555AVIAL	Amplicon Cloning Control	10049093	Pass
N0312AVIAL	Linearized pMiniT™ 2.0 Vector	10049092	Pass
M1016AVIAL	Cloning Master Mix 2	10049091	Pass
M1015AVIAL	Cloning Master Mix 1	10049090	Pass
C3018AVIAL	NEB® 10-beta Competent E. coli (Cloning Efficiency)	10046441	Pass
B9035SVIAL	NEB® 10-beta/Stable Outgrowth Medium	10054668	Pass

Assay Name/Specification	Lot # 10060043
<p><b>Functional Testing (NEB® PCR Cloning Kit)</b>            A 10 µl ligation reaction containing 5 µl cloning mix, 25 ng of linearized pMiniT™ 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 E. coli with 2 µl of the ligated master mix/fragment mixture yields ≥ 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 ≥95% of colonies have an insert present.</p>	Pass
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEB® PCR Cloning Kit and meet the designated specifications.</p>	Pass

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



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Lixin An  
Production Scientist  
08 Mar 2019



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Nick Privitera  
Packaging Quality Control Inspector  
13 Nov 2019