

## New England Biolabs Certificate of Analysis

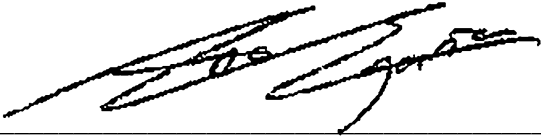
Product Name: NEB® PCR Cloning Kit  
 Catalog Number: E1202S  
 Lot Number: 10014790  
 Expiration Date: 03/2019  
 Storage Temperature: Multi-temperature\*  
 Specification Version: PS-E1202S v2.0

\* 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](http://www.neb.com).

NEB® PCR Cloning Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1513AVIAL	Cloning Analysis Reverse Primer	0081803	Pass
S1512AVIAL	Cloning Analysis Forward Primer	0081803	Pass
N3041AVIAL	pUC19 Vector	10010689	Pass
N0555AVIAL	Amplicon Cloning Control	0161803	Pass
N0312AVIAL	Linearized pMiniT™ 2.0 Vector	0051803	Pass
M1016AVIAL	Cloning Master Mix 2	0101803	Pass
M1015AVIAL	Cloning Master Mix 1	0101803	Pass
C3018AVIAL	NEB® 10-beta Competent E. coli (Cloning Efficiency)	10014789	Pass
B9035SVIAL	NEB® 10-beta/Stable Outgrowth Medium	0241804	Pass

Assay Name/Specification	Lot # 10014790
<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> <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>	<p>Pass</p> <p>Pass</p>

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



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Ana Egana  
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03 Jul 2018



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Nick Privitera  
Packaging Quality Control Inspector  
03 Jul 2018