

## New England Biolabs Certificate of Analysis

Product Name: *NEB® PCR Cloning Kit (Without Competent Cells)*  
 Catalog Number: *E1203S*  
 Lot Number: *10049585*  
 Expiration Date: *08/2020*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E1203S v1.0*

NEB® PCR Cloning Kit (Without Competent Cells) 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
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

Assay Name/Specification	Lot # 10049585
<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 (Without Competent Cells) and meet the designated specifications.</p>	Pass

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

*Cathy Shea*

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Cathy Shea  
Production Scientist  
31 Jul 2019

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
01 Aug 2019