

## New England Biolabs Certificate of Analysis

**Product Name:** NEB® PCR Cloning Kit (Without Competent Cells)  
**Catalog Number:** E1203S  
**Packaging Lot Number:** 10238527  
**Expiration Date:** 04/2025  
**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	10198672	Pass
S1512AVIAL	Cloning Analysis Forward Primer	10198671	Pass
N0555AVIAL	Amplicon Cloning Control	10198675	Pass
N0312AVIAL	Linearized pMiniT™ 2.0 Vector	10198673	Pass
M1016AVIAL	Cloning Master Mix 2	10226757	Pass
M1015AVIAL	Cloning Master Mix 1	10226756	Pass

Assay Name/Specification	Lot # 10238527
<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>	<b>Pass</b>
<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>	<b>Pass</b>

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

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02 Apr 2024



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