

New England Biolabs Certificate of Analysis

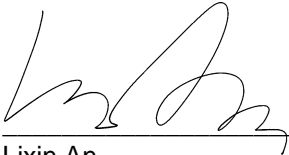
Product Name: NEB® PCR Cloning Kit
 Catalog Number: E1202S
 Lot Number: 10040464
 Expiration Date: 03/2020
 Storage Temperature: Multi-temperature*
 Specification Version: PS-E1202S v2.0

* 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 | 10040468 | Pass |
| S1512AVIAL | Cloning Analysis Forward Primer | 10040467 | Pass |
| N3041AVIAL | pUC19 Vector | 10035844 | Pass |
| N0555AVIAL | Amplicon Cloning Control | 10040488 | Pass |
| N0312AVIAL | Linearized pMiniT™ 2.0 Vector | 10040489 | Pass |
| M1016AVIAL | Cloning Master Mix 2 | 10040470 | Pass |
| M1015AVIAL | Cloning Master Mix 1 | 10040469 | Pass |
| C3018AVIAL | NEB® 10-beta Competent E. coli (Cloning Efficiency) | 10034129 | Pass |
| B9035SVIAL | NEB® 10-beta/Stable Outgrowth Medium | 10032883 | Pass |

| Assay Name/Specification | Lot # 10040464 |
|--|----------------|
| <p>Functional Testing (NEB® PCR Cloning Kit) 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>* Individual Product Component Note 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.



Lixin An
Production Scientist
14 Dec 2018



Nick Privitera
Packaging Quality Control Inspector
10 Apr 2019