

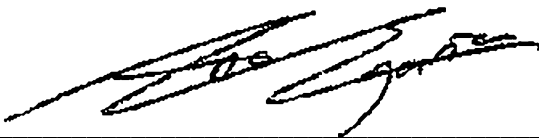
## New England Biolabs Certificate of Analysis

Product Name: *Instant Sticky-end Ligase Master Mix*  
 Catalog Number: *M0370S*  
 Concentration: *2 X Concentrate*  
 Lot Number: *10008066*  
 Expiration Date: *06/2020*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-M0370S/L v1.0*  
 Composition (1X): *Proprietary*

| Instant Sticky-end Ligase Master Mix Component List |                                      |            |                      |
|---|--------------------------------------|------------|----------------------|
| NEB Part Number                                     | Component Description                | Lot Number | Individual QC Result |
| M0370SVIAL  | Instant Sticky-end Ligase Master Mix | 10008067   | Pass                 |

| Assay Name/Specification   | Lot # 10008066 |
|--|----------------|
| <b>Functional Testing (Ligation and Transformation)</b><br>pUC19 vector is cut with HindIII (cohesive), treated with calf intestinal phosphatase and gel purified. Cohesive inserts from a HindIII digest of Lambda DNA are ligated into the vector at a 3:1 insert:vector ratio using the Instant Sticky-end Ligase Master Mix protocol. Ligation products are transformed as described. Each lot produces >1 x 10 <sup>7</sup> recircularized transformants/μg and >2.5 x 10 <sup>6</sup> inserted transformants/μg. | Pass           |

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



Ana Egana  
Production Scientist  
18 Jun 2018



Michael Tonello  
Packaging Quality Control Inspector  
18 Jun 2018