

## New England Biolabs Certificate of Analysis

**Product Name:** *Instant Sticky-end Ligase Master Mix*  
**Catalog Number:** *M0370L*  
**Concentration:** *2 X Concentrate*  
**Packaging Lot Number:** *10226630*  
**Expiration Date:** *08/2025*  
**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 |
| M0370LVIAL  | Instant Sticky-end Ligase Master Mix | 10200273   | Pass                 |

| Assay Name/Specification   | Lot # 10226630 |
|--|----------------|
| <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.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.

*Alison Dolan*

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Alison Dolan  
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28 Aug 2023

*Michael Tonello*

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06 Feb 2024