

## New England Biolabs Product Specification

*Product Name:* Instant Sticky-end Ligase Master Mix  
*Catalog #:* M0370S/L  
*Concentration:* 2X Concentrate  
*Shelf Life:* 24 months  
*Storage Temp:* -20°C  
*Composition (1X):* Proprietary  
*Specification Version:* PS-M0370S/L v1.0  
*Effective Date:* 27 Apr 2018

Assay Name/Specification (minimum release criteria)
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<b>Functional Testing (Ligation and Transformation)</b> - 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 $>1 \times 10^7$ recircularized transformants/ $\mu\text{g}$ and $>2.5 \times 10^6$ inserted transformants/ $\mu\text{g}$ .
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Date 27 Apr 2018

Derek Robinson  
Director of Quality Control

