

## New England Biolabs Certificate of Analysis

**Product Name:** *Electroligase<sup>®</sup>*  
**Catalog Number:** *M0369S*  
**Packaging Lot Number:** *10225782*  
**Expiration Date:** *06/2025*  
**Storage Temperature:** *-20°C*  
**Specification Version:** *PS-M0369S v1.0*

Electroligase <sup>®</sup> Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M0369SVIAL	Electroligase <sup>®</sup>	10191268	Pass
B0369SVIAL	2X ElectroLigase <sup>®</sup> Reaction Buffer	10191373	Pass

Assay Name/Specification	Lot # 10225782
<p><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 ElectroLigase<sup>®</sup> protocol. Ligation products are transformed as described. Each lot produces &gt;1 x 10<sup>7</sup> recircularized transformants/μg and &gt;1 x 10<sup>7</sup> inserted transformants/μg.</p>	<b>Pass</b>
<p><b>Functional Testing (Ligation and Transformation)</b>            LITMUS 28 vector is cut with EcoRV (blunt), treated with calf intestinal phosphatase and gel purified. Blunt inserts from a HaeIII digest of PhiX174 DNA are ligated into the vector at a 3:1 insert:vector ratio using the ElectroLigase<sup>®</sup> protocol. Ligation products are transformed as described. Each lot produces &gt;1 x 10<sup>7</sup> recircularized transformants/μg and &gt;2.5 x 10<sup>6</sup> inserted transformants/μg.</p>	<b>Pass</b>

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.

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03 Jul 2023

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07 Feb 2024