

## New England Biolabs Certificate of Analysis

Product Name: *Electroligase*<sup>®</sup>  
 Catalog Number: M0369S  
 Packaging Lot Number: 10065130  
 Expiration Date: 02/2022  
 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>	10065129	Pass
B0369SVIAL	2X ElectroLigase <sup>®</sup> Reaction Buffer	10065628	Pass

Assay Name/Specification	Lot # 10065130
<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>	Pass
<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>	Pass

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



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Ana Egana  
Production Scientist  
09 Jun 2020



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Michael Tonello  
Packaging Quality Control Inspector  
09 Jun 2020