

## New England Biolabs Certificate of Analysis

Product Name: *ElectroLigase*<sup>®</sup>  
 Catalog #: M0369S  
 Lot #: 0131707  
 Assay Date: 07/2017  
 Expiration Date: 07/2019  
 Storage Temp: -20°C  
 Specification Version: PS-M0369S v1.0  
 Effective Date: 27 Apr 2018

Assay Name/Specification (minimum release criteria)	Lot #0131707
<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 <math>&gt;1 \times 10^7</math> recircularized transformants/<math>\mu\text{g}</math> and <math>&gt;2.5 \times 10^6</math> inserted transformants/<math>\mu\text{g}</math>.</p>	<b>Pass</b>
<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 <math>&gt;1 \times 10^7</math> recircularized transformants/<math>\mu\text{g}</math> and <math>&gt;1 \times 10^7</math> inserted transformants/<math>\mu\text{g}</math>.</p>	<b>Pass</b>



Authorized by  
Derek Robinson  
27 Apr 2018



Inspected by  
Mary Lorenzen  
11 Jul 2017

