

New England Biolabs Certificate of Analysis

Product Name: *Electroligase®*
Catalog Number: *M0369S*
Packaging Lot Number: *10243690*
Expiration Date: *06/2025*
Storage Temperature: *-20°C*
Specification Version: *PS-M0369S v1.0*

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

Assay Name/Specification	Lot # 10243690
<p>Functional Testing (Ligation and Transformation) 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® protocol. Ligation products are transformed as described. Each lot produces >1 x 10⁷ recircularized transformants/μg and >1 x 10⁷ inserted transformants/μg.</p>	Pass
<p>Functional Testing (Ligation and Transformation) 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® protocol. Ligation products are transformed as described. Each lot produces >1 x 10⁷ recircularized transformants/μg and >2.5 x 10⁶ inserted transformants/μg.</p>	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 for additional information.

Mary K Lorenzen

Mary Lorenzen
Production Scientist
03 Jul 2023

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
10 Jun 2024