

New England Biolabs Certificate of Analysis

Product Name: *Electroligase*[®]
 Catalog Number: M0369S
 Lot Number: 10043804
 Expiration Date: 05/2021
 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 [®]	10043805	Pass
B0369SVIAL	2X ElectroLigase [®] Reaction Buffer	10044010	Pass

Assay Name/Specification	Lot # 10043804
<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
<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

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

Mary K Lorenzen

Mary Lorenzen
Production Scientist
24 May 2019

Jay Minichiello

Jay Minichiello
Packaging Quality Control Inspector
19 Jun 2019