

New England Biolabs Certificate of Analysis

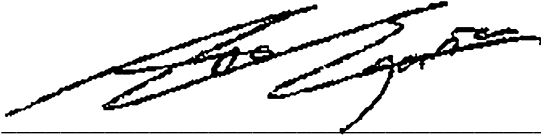
Product Name: *Electroligase*[®]
 Catalog Number: M0369S
 Packaging Lot Number: 10102980
 Expiration Date: 03/2023
 Storage Temperature: -20°C
 Specification Version: PS-M0369S v1.0

| Electroligase [®] Component List | | | |
|---|---|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| M0369SVIAL | Electroligase [®] | 10102981 | Pass |
| B0369SVIAL | 2X ElectroLigase [®] Reaction Buffer | 10103131 | Pass |

| Assay Name/Specification | Lot # 10102980 |
|--|----------------|
| <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.

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Production Scientist
29 Apr 2021



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29 Apr 2021