

New England Biolabs Product Specification

Product Name: ElectroLigase[®]
Catalog #: M0369S
Shelf Life: 24 months
Storage Temp: -20°C
Specification Version: PS-M0369S v1.0
Effective Date: 27 Apr 2018

Assay Name/Specification (minimum release criteria)

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 $>1 \times 10^7$ recircularized transformants/ μg and $>2.5 \times 10^6$ inserted transformants/ μg .

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 $>1 \times 10^7$ recircularized transformants/ μg and $>1 \times 10^7$ inserted transformants/ μg .



Date 27 Apr 2018

Derek Robinson
Director of Quality Control

