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New England Biolabs
Certificate of Analysis

Product Name: *NEBNext® Ultra™ Ligation Module*
Catalog Number: *E7445L*
Packaging Lot Number: *10080324*
Expiration Date: *06/2021*
Storage Temperature: *-20°C*
Specification Version: *PS-E7445S/L v1.0*

NEBNext® Ultra™ Ligation Module Component List			
NEB Part Number	**Component Description**	**Lot Number**	**Individual QC Result**
E7374AAVIAL	NEBNext® Ligation Enhancer	10059744	**Pass**
E7373AAVIAL	Blunt/TA Ligase Master Mix	10059745	**Pass**

Assay Name/Specification	**Lot # 10080324**
Functional Testing (Library Construction, DNA Modules) Each set of reagents is functionally validated and compared to a previous lot through construction of DNA libraries. Libraries made from previous and current lots for the recommended input DNA amounts are sequenced together on the same Illumina® flow cell and compared across various metrics including library yield, fraction of reads aligning to the reference, GC bias, and insert size.	**Pass**
*** Individual Product Component Note** Standard Quality Control Tests are performed for each component included in NEBNext® Ultra™ Ligation Module and meet the designated specifications.	**Pass**

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

Christine Sumner
Production Scientist
21 Jul 2020

Josh Hersey
Packaging Quality Control Inspector
21 Jul 2020

nqa ISO 9001 Registered Quality Management
nqa ISO 13485 Registered Medical Devices
nqa ISO 14001 Registered Environmental Management