

## New England Biolabs Certificate of Analysis

Product Name: NEBNext<sup>®</sup> Ultra II DNA PCR-Free Library Prep Kit for Illumina<sup>®</sup>  
 Catalog Number: E7410S  
 Packaging Lot Number: 10183601  
 Expiration Date: 04/2024  
 Storage Temperature: -20°C  
 Specification Version: PS-E7410S/L/G v1.0

NEBNext <sup>®</sup> Ultra II DNA PCR-Free Library Prep Kit for Illumina <sup>®</sup> Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7648AVIAL	NEBNext <sup>®</sup> Ultra™ II Ligation Master Mix	10183605	Pass
E7647AVIAL	NEBNext <sup>®</sup> Ultra™ II End Prep Reaction Buffer	10183603	Pass
E7646AVIAL	NEBNext <sup>®</sup> Ultra™ II End Prep Enzyme Mix	10183602	Pass
E7374AVIAL	NEBNext <sup>®</sup> Ligation Enhancer	10183604	Pass

Assay Name/Specification	Lot # 10183601
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Ultra™ II DNA PCR-free Library Prep Kit for Illumina<sup>®</sup> and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (Library Construction, DNA)</b>            Each set of reagents is functionally validated and compared to a previous lot through construction of libraries made from commercially available genomic DNA, using the kit's minimum and maximum input requirements. Libraries made from previous and current lots for both input DNA amounts are sequenced together on the same Illumina<sup>®</sup> flow cell and compared across various metrics including library yield, fraction of reads aligning to the reference, GC bias, and insert size.</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](http://www.neb.com/trademarks) for additional information.

*Christine Sumner*

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Christine Sumner  
Production Scientist  
19 Apr 2023

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
07 Sep 2023