

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ DNA Library Prep Kit for Illumina®  
 Catalog Number: E7370S  
 Lot Number: 10043241  
 Expiration Date: 06/2020  
 Storage Temperature: -20°C  
 Specification Version: PS-E7370S/L v1.0

NEBNext® Ultra™ DNA Library Prep Kit for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7374AVIAL	NEBNext® Ligation Enhancer	10033336	Pass
E7373AVIAL	Blunt/TA Ligase Master Mix	10033335	Pass
E7372AVIAL	NEBNext® End Repair Reaction Buffer	10033334	Pass
E7371AVIAL	NEBNext® End Prep Enzyme Mix	10033333	Pass
E6625AVIAL	NEBNext® Q5® Hot Start HiFi PCR Master Mix	10033337	Pass

Assay Name/Specification	Lot # 10043241
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext® Ultra™ DNA Library Prep Kit for Illumina® and meet the designated specifications.</p> <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® flow cell and compared across various metrics including library yield, fraction of reads aligning to the reference, GC bias, and insert size.</p>	<p>Pass</p> <p>Pass</p>

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

*Christine Sumner*

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Christine Sumner  
Production Scientist  
22 Apr 2019

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
22 Apr 2019