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New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II DNA Library Prep Kit for Illumina®

Catalog Number: E7645L
Packaging Lot Number: 10123091
Expiration Date: 05/2022
Storage Temperature: -20°C

Specification Version: PS-E7645S/L v1.0

NEBNext® Ultra™ II DNA Library Prep Kit for Illumina® Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10109294	Pass	
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10109292	Pass	
E7647AAVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10114494	Pass	
E7646AAVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10114493	Pass	
E7374AAVIAL	NEBNext® Ligation Enhancer	10109293	Pass	

Assay Name/Specification	Lot # 10123091
* Individual Product Component Note	Pass
Standard Quality Control Tests are performed for each component included in NEBNext® Ultra™ II DNA Library Prep Kit for Illumina® and meet the designated specifications.	
Functional Testing (Library Construction, DNA)	Pass
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.	

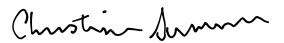
This product has been tested and shown to be in compliance with all specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



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Christine Sumner Production Scientist 24 Sep 2021 Michael Tonello

Packaging Quality Control Inspector

24 Sep 2021

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