240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

## New England Biolabs Certificate of Analysis

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

Catalog Number: E7805L
Packaging Lot Number: 10161362
Expiration Date: 09/2023
Storage Temperature: -20°C

Specification Version: PS-E7805S/L v1.0

NEBNext® Ultra™ II FS DNA Library Prep Kit for Illumina® Component List				
<b>NEB Part Number</b>	Component Description	Lot Number	Individual QC Result	
E7808AAVIAL	TE Buffer	10161368	Pass	
E7807AAVIAL	NEBNext® Ultra™ II FS Reaction Buffer	10161367	Pass	
E7806AAVIAL	NEBNext® Ultra™ II FS Enzyme Mix	10161366	Pass	
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10161365	Pass	
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10168600	Pass	
E7374AAVIAL	NEBNext® Ligation Enhancer	10161363	Pass	

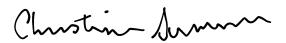
Assay Name/Specification	Lot # 10161362
Functional Testing (Library Construction, FS DNA)  Each set of reagents is functionally validated and compared to the previous lot through construction of libraries made from commercially available genomic DNA, using the kit's minimum and maximum input requirements. A fragmentation time of 20 minutes was used to generate an insert size of approximately 200 bp. The final average library size is between 270 and 450 bp as determined by an Agilent Bioanalyzer. Libraries made from the 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.	Pass
* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext® Ultra™ II FS DNA Library Prep Kit for Illumina® and meet the designated specifications.	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 for additional information.



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Christine Sumner Production Scientist 14 Oct 2022

NEW ENGLAND

Michael Tonello

Packaging Quality Control Inspector

14 Dec 2022



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