NEW ENGLAND BioLabs Inc.

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New England Biolabs
Certificate of Analysis

Product Name:	NEBNext® Ultra™ II FS DNA PCR-free Library Prep Kit for Illumina®
Catalog Number:	E7430L
Packaging Lot Number:	10152853
Expiration Date:	04/2023
Storage Temperature:	-20°C
Specification Version:	PS-E7430S/L/G v1.0

NEBNext® Ultra™ II FS DNA PCR-free Library Prep Kit for Illumina® Component List			
NEB Part Number	**Component Description**	**Lot Number**	**Individual QC Result**
E7808AAVIAL	TE Buffer	10144488	**Pass**
E7807AAVIAL	NEBNext® Ultra™ II FS Reaction Buffer	10144485	**Pass**
E7806AAVIAL	NEBNext® Ultra™ II FS Enzyme Mix	10144484	**Pass**
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10144487	**Pass**
E7374AAVIAL	NEBNext® Ligation Enhancer	10144486	**Pass**
E7139AAVIAL	DTT	10144489	**Pass**

Assay Name/Specification	Lot # 10152853
* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext® Ultra™ II FS DNA PCR-free Library Prep Kit for Illumina® and meet the designated specifications.	**Pass**
Functional Testing (Library Construction, Ultra™ II FS DNA PCR-free) 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 3 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**

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
18 May 2022

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Michael Tonello
Packaging Quality Control Inspector
18 May 2022