

New England Biolabs Certificate of Analysis

Product Name: NEBNext[®] Ultra[™] II FS DNA PCR-free Library Prep Kit for Illumina[®]
 Catalog Number: E7430G
 Packaging Lot Number: 10165308
 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
E7808GVIAL	TE Buffer	10144474	Pass
E7807GVIAL	NEBNext [®] Ultra [™] II FS Reaction Buffer	10144471	Pass
E7806GVIAL	NEBNext [®] Ultra [™] II FS Enzyme Mix	10144470	Pass
E7648GVIAL	NEBNext [®] Ultra [™] II Ligation Master Mix	10144473	Pass
E7374GVIAL	NEBNext [®] Ligation Enhancer	10144472	Pass
E7139AAVIAL	DTT	10144475	Pass

Assay Name/Specification	Lot # 10165308
<p>* 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.</p>	Pass
<p>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.</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 for additional information.

Christine Sumner

Christine Sumner
Production Scientist
20 Sep 2022



Josh Hersey
Packaging Quality Control Inspector
20 Sep 2022