

New England Biolabs Product Specification

Product Name: NEBNext[®] Ultra[™] II FS DNA PCR-free Library Prep Kit for Illumina[®]
Catalog #: E7430S/L/G
Kit Components: NEBNext[®] Ultra[™] II FS Enzyme Mix (E7806)
NEBNext[®] Ultra[™] II FS Reaction Buffer (E7807)
NEBNext[®] Ligation Enhancer (E7374)
NEBNext[®] Ultra[™] II Ligation Master Mix (E7648)
TE Buffer (1X) (E7808)
DTT (E7139)
Shelf Life: 12 months
Storage Temp: -20°C
Specification Version: PS-E7430S/L/G v1.0
Effective Date: 04 Nov 2021

Assay Name/Specification (minimum release criteria)

* **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.

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.

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