

New England Biolabs Product Specification

<i>Product Name:</i>	NEBNext [®] Ultra [™] II FS DNA PCR-free Library Prep with Sample Purification Beads
<i>Catalog #:</i>	E7435S/L
<i>Kit Components:</i>	NEBNext [®] Ultra [™] II FS Enzyme Mix (E7806) — Store at -20°C NEBNext [®] Ultra [™] II FS Reaction Buffer (E7807) — Store at -20°C NEBNext [®] Ligation Enhancer (E7374) — Store at -20°C NEBNext [®] Ultra [™] II Ligation Master Mix (E7648) — Store at -20°C TE Buffer (E7808) — Store at -20°C DTT (E7139) — Store at -20°C NEBNext [®] Sample Purification Beads (E6178) — Store at 25°C
<i>Shelf Life:</i>	12 months
<i>Storage Temp:</i>	Multi-temp
<i>Specification Version:</i>	PS-E7435S/L v1.0
<i>Effective Date:</i>	04 Nov 2021

Assay Name/Specification (minimum release criteria)

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.

* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in NEBNext[®] Ultra[™] II FS DNA PCR-free Library Prep with Sample Purification Beads and meet the designated 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.



Date 04 Nov 2021

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