

New England Biolabs Product Specification

Product Name: NEBNext UltraShear[®] FFPE DNA Library Prep Kit

Catalog #: E6655S/L/G

Kit Components: NEBNext[®] FFPE DNA Repair Mix v2 (E7361) — Store at -20°C
NEBNext[®] Thermolabile Proteinase K (E7362) — Store at -20°C
NEBNext UltraShear[®] (E6656) — Store at -20°C
NEBNext UltraShear[®] Reaction Buffer (E6657) — Store at -20°C
500 mM DTT (E6658) — Store at -20°C
NEBNext[®] Ultra[™] II End Prep Enzyme Mix (E7646) — Store at -20°C
NEBNext[®] Ultra[™] II Ligation Master Mix (E7648) — Store at -20°C
NEBNext[®] Ligation Enhancer (E7374) — Store at -20°C
NEBNext[®] MSTC[™] FFPE Master Mix (E6651) — Store at -20°C
NEBNext[®] Sample Purification Beads (E6652) — Store at 25°C

Shelf Life: 12 months

Storage Temp: Multi-temperature

Specification Version: PS-E6655S/L/G v1.0

Effective Date: 11 Sep 2024

Assay Name/Specification (minimum release criteria)

Functional Testing (NEBNext UltraShear[®] FFPE DNA Library Prep Kit with FFPE DNA) - Libraries are prepared using 5 and 250 ng of human FFPE DNA using current and previous lots of the NEBNext UltraShear[®] FFPE DNA Library Prep kit, NEBNext[®] Adaptor, and appropriate adaptor dilutions and PCR cycle numbers for each input amount as noted in the manual. Libraries are assessed for yield, size, and profile and then sequenced on an Illumina[®] platform to assess quality metrics including damaged base repair efficiency.

* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in NEBNext UltraShear[®] FFPE DNA Library Prep Kit and meet the designated specifications.

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Date 11 Sep 2024

Lauren Brown
Quality Approver

