

New England Biolabs Product Specification

Product Name: NEBNext[®] ChIP-Seq Library Prep Master Mix Set for Illumina[®]
Catalog #: E6240S/L
Kit Components: NEBNext[®] dA-Tailing Reaction Buffer (E6045)
Klenow Fragment (3'→5' exo-) (E6207)
Quick T4 DNA Ligase (E6209)
NEBNext[®] End Repair Enzyme Mix (E6241)
NEBNext[®] End Repair Reaction Buffer (E6242)
NEBNext[®] Quick Ligation Reaction Buffer (E6243)
NEBNext[®] Q5[®] Hot Start HiFi PCR Master Mix (E6630)

Shelf Life: 18 months
Storage Temp: -20°C
Specification Version: PS-E6240S/L v1.0
Effective Date: 25 Jan 2019

Assay Name/Specification (minimum release criteria)

Functional Testing (Library Construction, ChIP DNA) - Each set of reagents is functionally validated and compared to a previous lot through construction of libraries made from ChIP and genomic DNA, using the kit's input requirements. Libraries made from previous and current lots 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[®] ChIP-Seq Library Prep Master Mix Set for Illumina[®] and meet the designated specifications.



Date 25 Jan 2019

Derek Robinson
Director of Quality Control

