

New England Biolabs Product Specification

Product Name: NEBNext® Single Cell/Low Input RNA Library Prep Kit for Illumina®

Catalog #: E6420G

Kit Components:

- NEBNext® Single Cell RT Primer Mix (E6422)
- NEBNext® Single Cell RT Buffer (E6423)
- NEBNext® Template Switching Oligo (E6424)
- NEBNext® Single Cell RT Enzyme Mix (E6425)
- NEBNext® Single Cell cDNA PCR Master Mix (E6426)
- NEBNext® Single Cell cDNA PCR Primer (E6427)
- NEBNext® Cell Lysis Buffer (E6428)
- RNase Inhibitor, Murine (E6429)
- NEBNext® Bead Reconstitution Buffer (E6430)
- NEBNext® Adaptor Dilution Buffer (E6431)
- TE Buffer (E6432)
- Nuclease Free Water (E6433)
- NEBNext® Ultra™ II FS Reaction Buffer (E7807)
- NEBNext® Ultra™ II FS Enzyme Mix (E7806)
- NEBNext® Ultra™ II Ligation Master Mix (E7648)
- NEBNext® Ligation Enhancer (E7374)
- NEBNext® Ultra™ II Q5® Master Mix (E7649)

Shelf Life: 12 months

Storage Temp: -20°C

Specification Version: PS-E6420G v1.0

Effective Date: 06 Feb 2018

Assay Name/Specification (minimum release criteria)

Functional Testing (Library Construction, Single Cell RNA) - Each set of reagents is functionally validated and compared to a previous lot through construction of libraries made from single cells and commercially available RNA using the kit's minimum and maximum 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, individual transcript abundance, 5'-3' transcript coverage, percent ribosomal RNA, and fraction of reads mapping to a reference.



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* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in NEBNext® Single Cell/Low Input RNA Library Prep Kit for Illumina® 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 06 Feb 2018

Derek Robinson
Quality Approver

