240 County Road
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New England Biolabs
Product Specification

Product Name:	*NEBNext® RNA Library Prep Kit for MGI®*
Catalog #:	*E9710S/L/G*
Kit Components:	*NEBNext® RNA Fragmentation Buffer (E9618)* *NEBNext® First Strand Synthesis Enzyme Mix (E7761)* *NEBNext® Strand Specificity Reagent (E7766)* *NEBNext® Second Strand Synthesis Enzyme Mix (E7425)* *NEBNext® Second Strand Synthesis Reaction Buffer with dUTP Mix (E7426)* *NEBNext® End Prep Reaction Buffer (E9611)* *NEBNext® End Prep Enzyme Mix (E9612)* *NEBNext® Ligation Master Mix (E9613)* *NEBNext® Ligation Enhancer (E7374)* *NEBNext® USER® Enzyme (E9619)* *NEBNext® MSTC™ High Yield Master Mix (E9615)* *0.1X TE (E7763)* *Nuclease-free Water (E7764)*
Shelf Life:	*18 months*
Storage Temp:	*-20°C*
Specification Version:	*PS-E9710S/L/G v1.0*
Effective Date:	*17 Jun 2024*

Assay Name/Specification (minimum release criteria)
Functional Testing (MGI®/Complete Genomics™ Library Construction, RNA) - Each set of reagents is functionally tested and compared to the previous lot through construction of libraries made from commercially available RNA, using the kit's minimum and maximum input requirements. Libraries made from the previous and current lots for both input RNA amounts are sequenced together on the same MGI®/Complete Genomics™ flowcell and compared across various metrics including library yield, individual transcript abundance correlations (low vs. high input, old lot vs. new lot), 5'-3' transcript coverage, and fraction of reads mapping to a reference. *** Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in NEBNext® RNA Library Prep Kit for MGI® and meet the designated specifications.

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Lauren Brown
Quality Approver