

## New England Biolabs Certificate of Analysis

Product Name: NEBNext<sup>®</sup> RNA First Strand Synthesis Module  
 Catalog Number: E7525L  
 Packaging Lot Number: 10059346  
 Expiration Date: 12/2020  
 Storage Temperature: -20°C  
 Specification Version: PS-E7525S/L v1.0

NEBNext <sup>®</sup> RNA First Strand Synthesis Module Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7424AAVIAL	RNase Inhibitor, Murine	10044471	Pass
E7423AAVIAL	ProtoScript <sup>®</sup> II Reverse Transcriptase	10044472	Pass
E7422AAVIAL	Random Primers	10044470	Pass
E7421AAVIAL	NEBNext <sup>®</sup> First Strand Synthesis Reaction Buffer	10044469	Pass

Assay Name/Specification	Lot # 10059346
<p><b>Functional Testing (Library Construction, RNA)</b>            Each set of reagents is functionally validated 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 Illumina flow cell 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.</p>	Pass
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> RNA First Strand Synthesis Module and meet the designated specifications.</p>	Pass

This product has been tested and shown to be in compliance with all specifications.

*Christine Sumner*

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Christine Sumner  
Production Scientist  
04 Nov 2019

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
04 Nov 2019