

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext<sup>®</sup> RNA First Strand Synthesis Module  
**Catalog Number:** E7525S  
**Lot Number:** 10025206  
**Expiration Date:** 02/2020  
**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
E7424AVIAL	RNase Inhibitor, Murine	10019090	Pass
E7423AVIAL	ProtoScript <sup>®</sup> II Reverse Transcriptase	10019091	Pass
E7422AVIAL	Random Primers	10019089	Pass
E7421AVIAL	NEBNext <sup>®</sup> First Strand Synthesis Reaction Buffer	10019088	Pass

Assay Name/Specification	Lot # 10025206
<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>	<b>Pass</b>
<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>	<b>Pass</b>

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 Oct 2018

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
04 Oct 2018