

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II Directional RNA Second Strand Synthesis Module  
 Catalog Number: E7550S  
 Lot Number: 10027104  
 Expiration Date: 02/2020  
 Storage Temperature: -20°C  
 Specification Version: PS-E7550S/L v1.0

NEBNext® Ultra™ II Directional RNA Second Strand Synthesis Module Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7426AVIAL	NEBNext® Second Strand Synthesis Reaction Buffer (dUTP Mix)	10019099	Pass
E7425AVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10019098	Pass

Assay Name/Specification	Lot # 10027104
<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> <p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext® Ultra™ II Directional RNA Second Strand Synthesis Module and meet the designated specifications.</p>	<p>Pass</p> <p>Pass</p>

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

*Christine Sumner*

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Christine Sumner  
Production Scientist  
22 Oct 2018

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
22 Oct 2018