Product Name: NEBNext® Ultra™ II Directional RNA Second Strand Synthesis Module
Catalog Number: E7550L
Packaging Lot Number: 10068544
Expiration Date: 07/2021
Storage Temperature: -20°C
Specification Version: PS-E7550S/L v1.0

### NEBNext® Ultra™ II Directional RNA Second Strand Synthesis Module Component List

<table>
<thead>
<tr>
<th>NEB Part Number</th>
<th>Component Description</th>
<th>Lot Number</th>
<th>Individual QC Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>E7426AAVIAL</td>
<td>NEBNext® Second Strand Synthesis Reaction Buffer (dUTP Mix)</td>
<td>10061705</td>
<td>Pass</td>
</tr>
<tr>
<td>E7425AAVIAL</td>
<td>NEBNext® Second Strand Synthesis Enzyme Mix</td>
<td>10061704</td>
<td>Pass</td>
</tr>
</tbody>
</table>

### Assay Name/Specification

#### Functional Testing (Library Construction, RNA)
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.

Pass

#### *Individual Product Component Note*
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.

Pass

This product has been tested and shown to be in compliance with all specifications.
Christine Sumner  
Production Scientist  
20 Feb 2020

Michael Tonello  
Packaging Quality Control Inspector  
20 Feb 2020