**HiScribe™ T7 High Yield RNA Synthesis Kit 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>N0454AVIAL</td>
<td>CTP Solution</td>
<td>0121805</td>
<td>Pass</td>
</tr>
<tr>
<td>N0453AVIAL</td>
<td>UTP Solution</td>
<td>0121805</td>
<td>Pass</td>
</tr>
<tr>
<td>N0452AVIAL</td>
<td>GTP Solution</td>
<td>0121805</td>
<td>Pass</td>
</tr>
<tr>
<td>N0451AVIAL</td>
<td>ATP Solution</td>
<td>0121805</td>
<td>Pass</td>
</tr>
<tr>
<td>N0426AVIAL</td>
<td>Fluc Control Template</td>
<td>10030751</td>
<td>Pass</td>
</tr>
<tr>
<td>M0255AVIAL</td>
<td>T7 RNA Polymerase Mix</td>
<td>10013740</td>
<td>Pass</td>
</tr>
<tr>
<td>B2041AVIAL</td>
<td>10X T7 Reaction Buffer</td>
<td>10021750</td>
<td>Pass</td>
</tr>
</tbody>
</table>

**Assay Name/Specification**

<table>
<thead>
<tr>
<th>Functional Testing (RNA Synthesis, Yield)</th>
<th>Lot # 10032035</th>
<th>Individual QC Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 20 µl reaction in 1X T7 Reaction Buffer in the presence of 40 mM NTPs containing 1 µg FLuc Control Template with 2 µl of the T7 RNA Polymerase Mix incubated for 2 hours at 37°C results in a minimum of 150 µg of a 1.8 kb RNA as determined by OD 260 and agarose gel electrophoresis.</td>
<td>Pass</td>
<td>Pass</td>
</tr>
</tbody>
</table>

* **Individual Product Component Note**

Standard Quality Control Tests are performed for each component included in HiScribe™ T7 High Yield RNA Synthesis Kit and meet the designated specifications.

This product has been tested and shown to be in compliance with all specifications.
Bhairavi Jani  
Production Scientist  
18 Mar 2019

Michael Tonello  
Packaging Quality Control Inspector  
18 Mar 2019