New England Biolabs
Product Specification

Product Name: HiScribe™ SP6 RNA Synthesis Kit
Catalog #: E2070
Kit Components:
- SP6 RNA Polymerase Mix (M2070)
- 10X SP6 Reaction Buffer (B2070)
- SP6 Control Template (N2070)
- ATP (Tris) (N2071)
- GTP (Tris) (N2072)
- UTP (Tris) (N2073)
- CTP (Tris) (N2074)
- LiCl Solution (B2051)
- DNase I (M0303)

Shelf Life: 18 months
Storage Temp: -20°C
Specification Version: PS-E2070 v1.0
Effective Date: 17 Jan 2017

<table>
<thead>
<tr>
<th>Assay Name/Specification (minimum release criteria)</th>
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<tbody>
<tr>
<td><strong>Functional Testing (RNA Synthesis, Yield)</strong> - A 25 µl reaction in SP6 Reaction Buffer in the presence of 20 mM NTPs containing 1 µg SP6 Control Template and 2.5 µl of the SP6 RNA Polymerase Mix incubated for 2 hours at 37°C results in ≥ 80 µg of a 1.75 kb RNA as determined by OD 260 and agarose gel electrophoresis.</td>
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Derek Robinson
Director of Quality Control

Date 17 Jan 2017