

New England Biolabs Product Specification

Product Name: HiScribe[®] SP6 RNA Synthesis Kit
Catalog #: E2070S
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 (RNase-free) (M0303)
0.1M DTT (B1222)

Shelf Life: 18 months
Storage Temp: -20°C
Specification Version: PS-E2070S v3.0
Effective Date: 11 Sep 2023

Assay Name/Specification (minimum release criteria)

Functional Testing (RNA Synthesis, Yield) - A 25 µl reaction in SP6 Reaction Buffer in the presence of 20 mM NTPs containing 1 µg SP6 Control Template with 2.5 µl of the SP6 RNA Polymerase Mix incubated for 2 hours at 37°C results in a minimum of 80 µg of a 1.76 kb RNA as determined by OD 260 and agarose gel electrophoresis.

* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in HiScribe[®] SP6 RNA Synthesis Kit and meet the designated specifications.

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Date 11 Sep 2023

Lauren Brown
Quality Approver

