

## 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

### 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 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.



Date 17 Jan 2017

Derek Robinson  
Director of Quality Control

