

## New England Biolabs Certificate of Analysis

Product Name: *HiScribe™ SP6 RNA Synthesis Kit*  
 Catalog Number: *E2070S*  
 Packaging Lot Number: *10104431*  
 Expiration Date: *06/2022*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E2070S v1.0*

HiScribe™ SP6 RNA Synthesis Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N2074AVIAL	CTP (Tris)	10090013	Pass
N2073AVIAL	UTP (Tris)	10090012	Pass
N2072AVIAL	GTP (Tris)	10090011	Pass
N2071AVIAL	ATP (Tris)	10090010	Pass
N2070AVIAL	SP6 Control Template	10071300	Pass
M2070AVIAL	SP6 RNA Polymerase Mix	10091093	Pass
M0303AVIAL	DNase I (RNase-free)	10098321	Pass
B2070AVIAL	10X SP6 Reaction Buffer	10090014	Pass
B2051AVIAL	LiCl Solution	10078748	Pass

Assay Name/Specification	Lot # 10104431
<b>Functional Testing (RNA Synthesis, Yield)</b> 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.	Pass

This product has been tested and shown to be in compliance with all specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.

*Dongxian Yue*

Dongxian Yue  
Production Scientist  
25 Mar 2021

*Michael Tonello*

Michael Tonello  
Packaging Quality Control Inspector  
12 Apr 2021