

## New England Biolabs Certificate of Analysis

Product Name: *HiScribe<sup>®</sup> SP6 RNA Synthesis Kit*  
 Catalog Number: *E2070S*  
 Packaging Lot Number: *10208690*  
 Expiration Date: *11/2024*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E2070S v2.0*

HiScribe <sup>®</sup> SP6 RNA Synthesis Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N2074AVIAL	CTP (Tris)	10199400	Pass
N2073AVIAL	UTP (Tris)	10199399	Pass
N2072AVIAL	GTP (Tris)	10199398	Pass
N2071AVIAL	ATP (Tris)	10199397	Pass
N2070AVIAL	SP6 Control Template	10205601	Pass
M2070AVIAL	SP6 RNA Polymerase Mix	10199396	Pass
M0303AVIAL	DNase I (RNase-free)	10195280	Pass
B2070AVIAL	10X SP6 Reaction Buffer	10171538	Pass
B2051AVIAL	LiCl Solution	10182597	Pass
B1222AVIAL	0.1M DTT	10196328	Pass

Assay Name/Specification	Lot # 10208690
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in HiScribe<sup>®</sup> SP6 RNA Synthesis Kit and meet the designated specifications.</p>	Pass
<p><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.</p>	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.



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Bhairavi Jani  
Production Scientist  
11 Sep 2023



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Michael Tonello  
Packaging Quality Control Inspector  
11 Sep 2023