

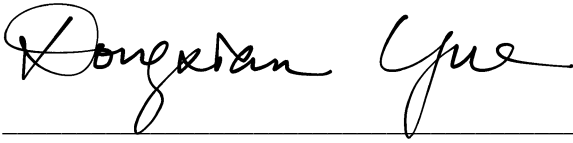
## New England Biolabs Certificate of Analysis

Product Name: *HiScribe™ T7 ARCA mRNA Kit (with Tailing)*  
 Catalog Number: *E2060S*  
 Packaging Lot Number: *10073519*  
 Expiration Date: *09/2021*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E2060S v1.0*

HiScribe™ T7 ARCA mRNA Kit (with Tailing) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N2053AVIAL	2X ARCA/NTP Mix	10073626	Pass
N0247AVIAL	CLuc Control Template	10066499	Pass
M0444AVIAL	E. coli Poly(A) Polymerase	10067658	Pass
M0303AAVIAL	DNase I (RNase-free)	10065342	Pass
M0255AAVIAL	T7 RNA Polymerase Mix	10067812	Pass
B2051AVIAL	LiCl Solution	10066827	Pass
B0276SVIAL	Poly(A) Polymerase Reaction Buffer	10064699	Pass

Assay Name/Specification	Lot # 10073519
<p><b>Functional Testing (RNA Synthesis, Yield)</b>            A 20 µl reaction in the presence of 1 X ARCA/NTP Mix containing 1 µg CLuc Control Template with 2 µl of the T7 RNA Polymerase Mix incubated for 30 minutes at 37°C results in a minimum of 15 µg of a 1.6 kb RNA as determined by OD 260 and agarose gel electrophoresis.</p>	Pass
<p><b>Functional Testing (RNA Tailing, Length)</b>            A 50 µl reaction in Poly(A) Polymerase Reaction Buffer containing a minimum of 15 µg of HiScribe™ RNA product and 5 µl of Poly(A) Polymerase incubated for 30 minutes at 37°C results in a visible shift of the 1.6 kb RNA band as determined by agarose gel electrophoresis.</p>	Pass
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in HiScribe™ T7 ARCA mRNA Kit (with tailing) and meet the designated specifications.</p>	Pass

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



Dongxian Yue  
Production Scientist  
21 Apr 2020



Josh Hersey  
Packaging Quality Control Inspector  
24 Apr 2020