

## New England Biolabs Certificate of Analysis

Product Name: *HiScribe™ T7 ARCA mRNA Kit*  
 Catalog Number: *E2065S*  
 Lot Number: *10025316*  
 Expiration Date: *03/2020*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E2065S v1.0*

HiScribe™ T7 ARCA mRNA Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N2053AVIAL	2X ARCA/NTP Mix	10016240	Pass
N0247AVIAL	CLuc Control Template	10011907	Pass
M0303AAVIAL	DNase I (RNase-free)	10012626	Pass
M0255AAVIAL	T7 RNA Polymerase Mix	0161803	Pass
B2051AVIAL	LiCl Solution	10012625	Pass

Assay Name/Specification	Lot # 10025316
<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.	Pass
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in HiScribe™ T7 ARCA mRNA Kit and meet the designated specifications.	Pass

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



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Bhairavi Jani  
Production Scientist  
05 Oct 2018



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Michael Tonello  
Packaging Quality Control Inspector  
05 Oct 2018