

## New England Biolabs Certificate of Analysis

Product Name: *HiScribe® T7 ARCA mRNA Kit*  
 Catalog Number: *E2065S*  
 Packaging Lot Number: *10208692*  
 Expiration Date: *01/2025*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E2065S v2.0*

HiScribe® T7 ARCA mRNA Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N2053AVIAL	2X ARCA/NTP Mix	10186995	Pass
N0247AVIAL	CLuc Control Template	10200019	Pass
M0303AAVIAL	DNase I (RNase-free)	10181026	Pass
M0255AAVIAL	T7 RNA Polymerase Mix	10190508	Pass
B2051AVIAL	LiCl Solution	10182597	Pass
B1222AVIAL	0.1M DTT	10196328	Pass

Assay Name/Specification	Lot # 10208692
<p><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.</p> <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 1.76 kb RNA as determined by OD 260 and agarose gel electrophoresis.</p>	<p>Pass</p> <p>Pass</p>

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

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13 Sep 2023



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13 Sep 2023