

New England Biolabs Certificate of Analysis

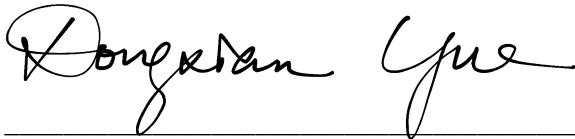
Product Name: *HiScribe™ T7 ARCA mRNA Kit (with Tailing)*
 Catalog Number: *E2060S*
 Packaging Lot Number: *10133565*
 Expiration Date: *04/2023*
 Storage Temperature: *-20°C*
 Specification Version: *PS-E2060S v1.0*

HiScribe™ T7 ARCA mRNA Kit (with Tailing) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N2053AVIAL	2X ARCA/NTP Mix	10116278	Pass
N0247AVIAL	CLuc Control Template	10099611	Pass
M0444AVIAL	E. coli Poly(A) Polymerase	10133294	Pass
M0303AAVIAL	DNase I (RNase-free)	10133295	Pass
M0255AAVIAL	T7 RNA Polymerase Mix	10110984	Pass
B2051AVIAL	LiCl Solution	10131233	Pass
B0276SVIAL	Poly(A) Polymerase Reaction Buffer	10114403	Pass

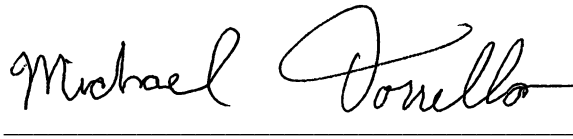
Assay Name/Specification	Lot # 10133565
Functional Testing (RNA Tailing, Length) A 50 µl reaction in Poly(A) Polymerase Reaction Buffer containing a minimum of 15 µg of HiScribe™ RNA product and 5 µl of Poly(A) Polymerase incubated for 30 minutes at 37°C results in a visible shift of the 1.6 kb RNA band as determined by agarose gel electrophoresis.	Pass
Functional Testing (RNA Synthesis, Yield) 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
* Individual Product Component Note Standard Quality Control Tests are performed for each component included in HiScribe™ T7 ARCA mRNA Kit (with tailing) and meet the designated specifications.	Pass

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

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Dongxian Yue
Production Scientist
14 Dec 2021



Michael Tonello
Packaging Quality Control Inspector
21 Dec 2021