

New England Biolabs Certificate of Analysis

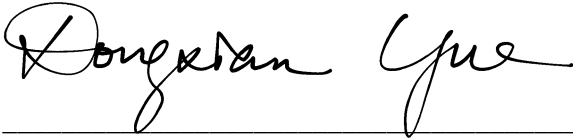
Product Name: *HiScribe® T7 ARCA mRNA Kit (with Tailing)*
Catalog Number: *E2060S*
Packaging Lot Number: *10202939*
Expiration Date: *12/2024*
Storage Temperature: *-20°C*
Specification Version: *PS-E2060S v1.0*

HiScribe® T7 ARCA mRNA Kit (with Tailing) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N2053AVIAL	2X ARCA/NTP Mix	10186995	Pass
N0247AVIAL	CLuc Control Template	10145440	Pass
M0444AVIAL	E. coli Poly(A) Polymerase	10197887	Pass
M0303AAVIAL	DNase I (RNase-free)	10181026	Pass
M0255AAVIAL	T7 RNA Polymerase Mix	10190508	Pass
B2051AVIAL	LiCl Solution	10182597	Pass
B1222AVIAL	0.1M DTT	10174939	Pass
B0276SVIAL	Poly(A) Polymerase Reaction Buffer	10176765	Pass

Assay Name/Specification	Lot # 10202939
<p>* 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.</p>	Pass
<p>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.</p>	Pass
<p>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.</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 for additional information.



Dongxian Yue
Production Scientist
28 Jul 2023



Josh Hersey
Packaging Quality Control Inspector
03 Aug 2023