

## New England Biolabs Certificate of Analysis

**Product Name:** *HiScribe® T7 mRNA Kit with CleanCap® Reagent AG*  
**Catalog Number:** *E2080S*  
**Packaging Lot Number:** *10204807*  
**Expiration Date:** *12/2024*  
**Storage Temperature:** *-20°C*  
**Specification Version:** *PS-E2080S v1.0*

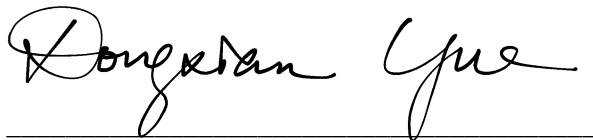
HiScribe® T7 mRNA Kit with CleanCap® Reagent AG Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1413AVIAL	CleanCap® Reagent AG	10195277	Pass
N2078AVIAL	CLuc AG Control Template	10172136	Pass
N0492AVIAL	UTP	10191527	Pass
N0491AVIAL	CTP	10191284	Pass
N0490AVIAL	GTP	10191526	Pass
N0489AVIAL	ATP	10191525	Pass
M0303AAVIAL	DNase I (RNase-free)	10181026	Pass
M0255AAVIAL	T7 RNA Polymerase Mix	10190508	Pass
B2082AVIAL	10X T7 CleanCap® Reagent AG Reaction Buffer	10191528	Pass
B2051AVIAL	LiCl Solution	10182597	Pass
B1222AVIAL	0.1M DTT	10196328	Pass

Assay Name/Specification	Lot # 10204807
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in HiScribe® T7 mRNA Kit with CleanCap® Reagent AG and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (RNA Synthesis, Yield)</b> A 20 µl reaction in 1X T7 CleanCap® Reagent AG Reaction Buffer in the presence of 6 mM ATP, 5 mM GTP, 5 mM CTP, 5 mM UTP and 4 mM CleanCap® Reagent AG containing 1 µg</p>	Pass

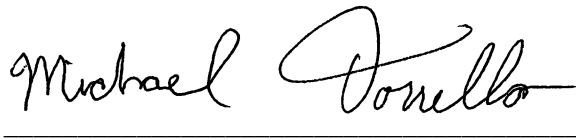
Assay Name/Specification	Lot # 10204807
CLuc AG Control Template with 2 µl of the T7 RNA Polymerase Mix incubated for 2 hours at 37°C results in a minimum of 90 µg of a 1.76 kb RNA as determined by OD 260 and agarose gel electrophoresis.	

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](http://www.neb.com/trademarks) for additional information.



Dongxian Yue  
Production Scientist  
10 Aug 2023



Michael Tonello  
Packaging Quality Control Inspector  
14 Aug 2023