

## New England Biolabs Certificate of Analysis

**Product Name:** *HiScribe® T7 mRNA Kit with CleanCap® Reagent AG*  
**Catalog Number:** *E2080S*  
**Packaging Lot Number:** *10174733*  
**Expiration Date:** *05/2024*  
**Storage Temperature:** *-20°C*  
**Specification Version:** *PS-E2080S v1.0*

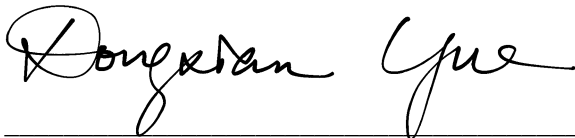
HiScribe® T7 mRNA Kit with CleanCap® Reagent AG Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1413AVIAL	CleanCap® Reagent AG	10172123	Pass
N2078AVIAL	CLuc AG Control Template	10172136	Pass
N0492AVIAL	UTP	10170662	Pass
N0491AVIAL	CTP	10170661	Pass
N0490AVIAL	GTP	10170660	Pass
N0489AVIAL	ATP	10170659	Pass
M0303AAVIAL	DNase I (RNase-free)	10157679	Pass
M0255AAVIAL	T7 RNA Polymerase Mix	10171236	Pass
B2082AVIAL	10X T7 CleanCap® Reagent AG Reaction Buffer	10159571	Pass
B2051AVIAL	LiCl Solution	10157680	Pass

Assay Name/Specification	Lot # 10174733
<p><b>* Individual Product Component Note</b></p> <p>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></p> <p>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 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</p>	Pass

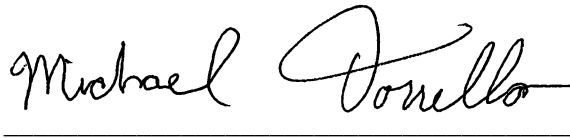
Assay Name/Specification	Lot # 10174733
and agarose gel electrophoresis.	

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

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07 Dec 2022



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16 Dec 2022