

## New England Biolabs Certificate of Analysis

**Product Name:** HiScribe™ T7 mRNA Kit with CleanCap® Reagent AG  
**Catalog Number:** E2080S  
**Packaging Lot Number:** 10159570  
**Expiration Date:** 11/2023  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E2080S v1.0

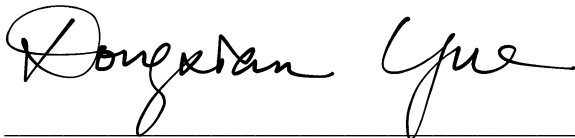
HiScribe™ T7 mRNA Kit with CleanCap® Reagent AG Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1413AVIAL	CleanCap® Reagent AG	10154217	Pass
N2078AVIAL	CLuc AG Control Template	10145188	Pass
N0492AVIAL	UTP	10154867	Pass
N0491AVIAL	CTP	10154866	Pass
N0490AVIAL	GTP	10154865	Pass
N0489AVIAL	ATP	10154864	Pass
M0303AAVIAL	DNase I (RNase-free)	10157679	Pass
M0255AAVIAL	T7 RNA Polymerase Mix	10149505	Pass
B2082AVIAL	10X T7 CleanCap® Reagent AG Reaction Buffer	10159571	Pass
B2051AVIAL	LiCl Solution	10131233	Pass

Assay Name/Specification	Lot # 10159570
<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 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.	<b>Pass</b>
<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	<b>Pass</b>

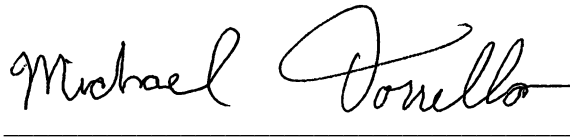
Assay Name/Specification	Lot # 10159570
specifications.	

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

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20 Jul 2022



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19 Aug 2022