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New England Biolabs Certificate of Analysis

Product Name: HiScribe® T7 mRNA Kit with CleanCap® Reagent AG

Catalog Number: E2080S
Packaging Lot Number: 10181671
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	СТР	10170661	Pass
N0490AVIAL	GTP	10170660	Pass
N0489AVIAL	ATP	10170659	Pass
M0303AAVIAL	DNase I (RNase-free)	10181026	Pass
M0255AAVIAL	T7 RNA Polymerase Mix	10171236	Pass
B2082AVIAL	10X T7 CleanCap® Reagent AG Reaction Buffer	10159571	Pass
B2051AVIAL	LiCI Solution	10157680	Pass

Assay Name/Specification	Lot # 10181671
* Individual Product Component Note	Pass
Standard Quality Control Tests are performed for each component included in	
HiScribe® T7 mRNA Kit with CleanCap® Reagent AG and meet the designated	
specifications.	
Functional Testing (RNA Synthesis, Yield)	Pass
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	



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Assay Name/Specification	Lot # 10181671
and agarose gel electrophoresis.	

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

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Dongxian Yue Production Scientist

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17 Feb 2023

Josh Hersey

Packaging Quality Control Inspector

24 Feb 2023



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