

## New England Biolabs Certificate of Analysis

**Product Name:** HiScribe® T7 mRNA Kit with CleanCap® Reagent AG  
**Catalog Number:** E2080S  
**Packaging Lot Number:** 10212153  
**Expiration Date:** 03/2025  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E2080S v2.0

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	10209042	Pass
N0492AVIAL	UTP	10207441	Pass
N0491AVIAL	CTP	10207440	Pass
N0490AVIAL	GTP	10207439	Pass
N0489AVIAL	ATP	10207438	Pass
M0303AAVIAL	DNase I (RNase-free)	10215524	Pass
M0255AAVIAL	T7 RNA Polymerase Mix	10206912	Pass
B2082AVIAL	10X T7 CleanCap® Reagent AG Reaction Buffer	10191528	Pass
B2051AVIAL	LiCl Solution	10210240	Pass
B1222AVIAL	0.1M DTT	10196328	Pass

Assay Name/Specification	Lot # 10212153
<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 # 10212153
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.

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31 Oct 2023



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