

New England Biolabs Certificate of Analysis

Product Name: *HiScribe® T7 mRNA Kit with CleanCap® Reagent AG*
Catalog Number: *E2080S*
Packaging Lot Number: *10221745*
Expiration Date: *05/2025*
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	10216509	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 # 10221745
<p>* Individual Product Component Note 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>Functional Testing (RNA Synthesis, Yield) 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 # 10221745
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 for additional information.



Bhairavi Jani
Production Scientist
03 Jan 2024



Michael Tonello
Packaging Quality Control Inspector
03 Jan 2024