

## New England Biolabs Certificate of Analysis

Product Name: *HiScribe™ T7 High Yield RNA Synthesis Kit*  
 Catalog Number: *E2040S*  
 Lot Number: *10054479*  
 Expiration Date: *02/2021*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E2040S v1.0*

HiScribe™ T7 High Yield RNA Synthesis Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0454AVIAL	CTP Solution	10051598	Pass
N0453AVIAL	UTP Solution	10051596	Pass
N0452AVIAL	GTP Solution	10051593	Pass
N0451AVIAL	ATP Solution	10051592	Pass
N0426AVIAL	Fluc Control Template	10044372	Pass
M0255AVIAL	T7 RNA Polymerase Mix	10045619	Pass
B2041AVIAL	10X T7 Reaction Buffer	10051002	Pass

Assay Name/Specification	Lot # 10054479
<b>Functional Testing (RNA Synthesis, Yield)</b> A 20 µl reaction in 1X T7 Reaction Buffer in the presence of 40 mM NTPs containing 1 µg FLuc Control Template with 2 µl of the T7 RNA Polymerase Mix incubated for 2 hours at 37°C results in a minimum of 150 µg of a 1.8 kb RNA as determined by OD 260 and agarose gel electrophoresis.	Pass
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in HiScribe™ T7 High Yield RNA Synthesis Kit and meet the designated specifications.	Pass

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



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Bhairavi Jani  
Production Scientist  
09 Sep 2019



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Michael Tonello  
Packaging Quality Control Inspector  
09 Sep 2019