

New England Biolabs Product Specification

Product Name: HiScribe™ T7 mRNA Kit with CleanCap® Reagent AG
Catalog #: E2080S
Kit Components: ATP (60 mM) (N0489)
GTP (50 mM) (N0490)
CTP (50 mM) (N0491)
UTP (50 mM) (N0492)
CleanCap® Reagent AG (40 mM) (S1413)
10X T7 CleanCap® Reagent AG Reaction Buffer (B2082)
CLuc AG Control Template (N2078)
T7 RNA Polymerase Mix (M0255)
DNase I (RNase-free) (M0303)
LiCl Solution (B2051)

Shelf Life: 18 months
Storage Temp: -20°C
Specification Version: PS-E2080S v1.0
Effective Date: 27 Oct 2021

Assay Name/Specification (minimum release criteria)

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 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.

* **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.

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.



Date 27 Oct 2021

Derek Robinson
Director, Quality Control

