

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)
0.1M DTT (B1222)

Shelf Life: 24 months
Storage Temp: -20°C
Specification Version: PS-E2080S v3.0
Effective Date: 31 Jan 2024

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.

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Date 31 Jan 2024

Lauren Brown
Quality Approver

