

New England Biolabs Product Specification

Product Name: HiScribe[®] T7 High Yield RNA Synthesis Kit
Catalog #: E2040L
Kit Components: ATP (N0451)
GTP (N0452)
UTP (N0453)
CTP (N0454)
10X T7 Reaction Buffer (B2041)
FLuc Control Template (N0426)
T7 RNA Polymerase Mix (M0255)
0.1M DTT (B1222)

Shelf Life: 24 months
Storage Temp: -20°C
Specification Version: PS-E2040L v1.0
Effective Date: 12 Feb 2024

Assay Name/Specification (minimum release criteria)

Functional Testing (RNA Synthesis, Yield) - 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.

* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in HiScribe[®] T7 High Yield RNA Synthesis Kit and meet the designated specifications.

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Date 12 Feb 2024

Lauren Brown
Quality Approver

