

New England Biolabs Product Specification

Product Name: HiScribe[®] T7 Quick High Yield RNA Synthesis Kit
Catalog #: E2050S
Kit Components: T7 RNA Polymerase Mix (M0255)
NTP Buffer Mix (N2052)
FLuc Control Template (N0426)
DNase I (RNase-free) (M0303)
LiCl Solution (B2051)
0.1M DTT (B1222)

Shelf Life: 24 months
Storage Temp: -20°C
Specification Version: PS-E2050S v3.0
Effective Date: 31 Jan 2024

Assay Name/Specification (minimum release criteria)

Functional Testing (RNA Synthesis, Yield) - A 20 µl reaction 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 Quick High Yield RNA Synthesis Kit and meet the designated specifications.

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Date 31 Jan 2024

Lauren Brown
Quality Approver

