New England Biolabs
Product Specification

Product Name: HiScribe™ T7 High Yield RNA Synthesis Kit
Catalog #: E2040S
Kit Components:
- ATP (N0451)
- GTP (N0452)
- UTP (N0453)
- CTP (N0454)
- 10X T7 Reaction Buffer (B2041)
- FLuc Control Template (N0426)
- T7 RNA Polymerase Mix (M0255)

Shelf Life: 18 months
Storage Temp: -20°C
Specification Version: PS-E2040S v1.0
Effective Date: 18 Apr 2018

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.