

## Certificate of Analysis

**Product Name:** HyperScribe™ T7 High Yield RNA Synthesis Kit  
**Cat. No. :** K1047  
**Batch No. :** 1

### Physical and Chemical Properties

**Production Date:** Mar 13, 2020  
**Expiration Date:** Mar 13, 2022  
**Storage:** -20°C

### Component List

Component Description	Lot Number	Individual QC Result
T7 RNA Polymerase Mix	1	Pass
10X Reaction Buffer	1	Pass
ATP (20 mM)	1	Pass
GTP (20 mM)	1	Pass
UTP (20 mM)	1	Pass
CTP (20 mM)	1	Pass
Control Template(0.5 µg/µl)	1	Pass
RNase-free H2O	1	Pass

### Analytical Data

#### 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.

Pass

**Individual Product Component Note**

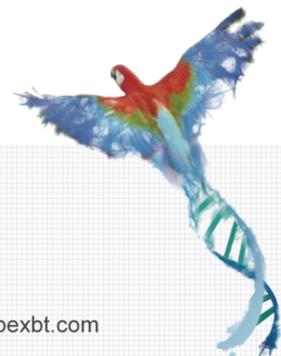
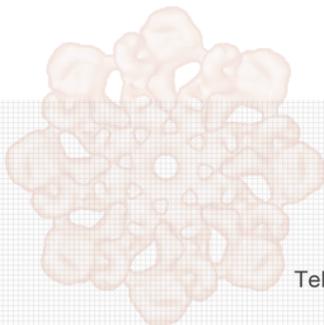
Standard Quality Control Tests are performed for each component included in HyperScribe™ T7 High Yield RNA Synthesis Kit and meet the designated specifications.

Pass

Signed by:           *Aiquan Li*            
Quality Assurance

**Caution**

**FOR RESEARCH PURPOSES ONLY.**  
**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**



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